LANCE R. LEFLEUR
DIRECTOR

KAY IVEY
GOVERNOR

Alabama Department of Environmental Management
adem.alabama.gov

1400 Coliseum Blvd. 36110-2400 ▪ Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 271-7700 ▪ FAX (334) 271-7950

MARCH 16, 2018

MR TODD VISSCHER
MOBILE FACILITY MANAGER
KIMBERLY CLARK CORP-MOBILE
200 BAY BRIDGE ROAD
MOBILE AL 36610

RE: DRAFT PERMIT
NPDES PERMIT NUMBER AL0002801

Dear Mr. Visscher:

Transmitted herein is a draft of the referenced permit.

We would appreciate your comments on the permit within **30 days** of the date of this letter. Please direct any comments of a technical or administrative nature to the undersigned.

By copy of this letter and the draft permit, we are also requesting comments within the same time frame from EPA.

Our records indicate that you are currently utilizing the Department's web-based electronic environmental (E2) reporting system for submittal of discharge monitoring reports (DMRs). Your E2 DMRs will automatically update on the effective date of this permit, if issued.

The Alabama Department of Environmental Management encourages you to voluntarily consider pollution prevention practices and alternatives at your facility. Pollution Prevention may assist you in complying with effluent limitations, and possibly reduce or eliminate monitoring requirements.

If you have questions regarding this permit or monitoring requirements, please contact Alex Chavers by e-mail at **adchavers@adem.alabama.gov** or by phone at **(334) 271-7851.**

Sincerely,

Scott Ramsey, Chief
Industrial Section
Industrial/Municipal Branch
Water Division

Enclosure: Draft Permit

pc via website: Montgomery Field Office
EPA Region IV
U.S. Fish & Wildlife Service
AL Historical Commission
Advisory Council on Historic Preservation
Department of Conservation and Natural Resources

Birmingham Branch
110 Vulcan Road
Birmingham, AL 35209-4702
(205) 942-6168
(205) 941-1603 (FAX)

Decatur Branch
2715 Sandlin Road, S.W.
Decatur, AL 35603-1333
(256) 353-1713
(256) 340-9359 (FAX)

Mobile Branch
2204 Perimeter Road
Mobile, AL 36615-1131
(251) 450-3400
(251) 479-2593 (FAX)

Mobile-Coastal
3664 Dauphin Street, Suite B
Mobile, AL 36608
(251) 304-1176
(251) 304-1189 (FAX)

Alabama Department of Environmental Management

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

PERMITTEE:	KIMBERLY CLARK CORP	
FACILITY LOCATION:	200 BAY BRIDGE ROAD MOBILE, AL 36610	
PERMIT NUMBER:	AL0002801	
RECEIVING WATERS:	DSN001:	MOBILE RIVER
	DSN003 – DSN005, DSN007 – DSN013:	CHICKASAW CREEK
	DSN015 – DSN020:	THREEMILE CREEK

In accordance with and subject to the provisions of the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§1251-1388 (the "FWPCA"), the Alabama Water Pollution Control Act, as amended, ***Code of Alabama 1975****, §§ 22-22-1 to 22-22-14 (the "AWPCA"), the Alabama Environmental Management Act, as amended,* ***Code of Alabama 1975****, §§22-22A-1 to 22-22A-17, and rules and regulations adopted thereunder, and subject further to the terms and conditions set forth in this permit, the Permittee is hereby authorized to discharge into the above-named receiving waters.*

ISSUANCE DATE:

EFFECTIVE DATE:

EXPIRATION DATE:

Draft

Alabama Department of Environmental Management

INDUSTRIAL SECTION
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT

TABLE OF CONTENTS

PART I DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the permittee is authorized to discharge from the following point source(s) outfall(s), described more fully in the permittee's application:

DSN0011: Process wastewaters associated with tissue and towel manufacturing operations, virgin fiber, waste cardboard, and office processing as well as wastewaters from permitted indirect dischargers, and storm water runoff. 3/ 4/

Such discharge shall be limited and monitored by the permittee as specified below:

	DISCHARGE LIMITATIONS					MONITORING REQUIREMENTS 1/		
EFFLUENT CHARACTERISTIC	Monthly Average	Daily Maximum	Daily Minimum	Monthly Average	Daily Maximum	Measurement Frequency 2/	Sample Type	Seasonal
BOD, 5-Day (20 Deg. C)	12788 lbs/day	23392 lbs/day	-	-	-	Week Days	Composite	-
pH	-	-	5 S.U.	-	9 S.U.	Week Days	Grab	-
Solids, Total Suspended	12384 lbs/day	24851 lbs/day	-	-	-	Week Days	Composite	-
Nitrogen, Ammonia Total (As N)	REPORT lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	April – October
Nitrite Plus Nitrate Total 1 Det. (As N)	REPORT lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	April – October
Phosphorus, Total (As P)	REPORT lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	April – October
Flow, In Conduit or Thru Treatment Plant	REPORT MGD	REPORT MGD	-	-	-	Daily	Totalizer	-

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.

2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.

3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.

4/ See Part IV.C for Discharge Information Zone (DIZ) requirements.

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the permittee is authorized to discharge from the following point source(s) outfall(s), described more fully in the permittee's application:

DSN001T: Process wastewaters associated with tissue and towel manufacturing operations, virgin fiber, waste cardboard, and office processing as well as wastewaters from permitted indirect dischargers, and storm water runoff. 3/

Such discharge shall be limited and monitored by the permittee as specified below:

	DISCHARGE LIMITATIONS			MONITORING REQUIREMENTS 1/				
EFFLUENT CHARACTERISTIC	Monthly Average	Daily Maximum	Daily Minimum	Monthly Average	Daily Maximum	Measurement Frequency 2/	Sample Type	Seasonal
Toxicity, Ceriodaphnia Acute 4/	-	0 pass(0)/fail(1)	-	-	-	Annually	Composite	-
Toxicity, Pimephales Acute 4/	-	0 pass(0)/fail(1)	-	-	-	Annually	Composite	-

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.

2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.

3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.

4/ See Part IV.D for Toxicity Testing Requirements.

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the permittee is authorized to discharge from the following point source(s) outfall(s), described more fully in the permittee's application:

DSN001Y: Process wastewaters associated with tissue and towel manufacturing operations, virgin fiber, waste cardboard, and office processing as well as wastewaters from permitted indirect dischargers, and storm water runoff 3/

Such discharge shall be limited and monitored by the permittee as specified below:

	DISCHARGE LIMITATIONS			MONITORING REQUIREMENTS 1/				
EFFLUENT CHARACTERISTIC	Monthly Average	Daily Maximum	Daily Minimum	Monthly Average	Daily Maximum	Measurement Frequency 2/	Sample Type	Seasonal
Pentachlorophenol 4/	-	2.45 lbs/day	-	-	-	Annually	Composite	-
Trichlorophenol 4/	-	6.11 lbs/day	-	-	-	Annually	Composite	-

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.

2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.

3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.

4/ In lieu of monitoring for these parameters, the permittee may certify non-use of chlorophenolic containing compounds according to the requirements at 40 CFR 430.105 and 40 CFR 430.124 by entering *9 on the discharge monitoring report.

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the permittee is authorized to discharge from the following point source(s) outfall(s), described more fully in the permittee's application:

DSN002S, DSN014-DSN020:	Storm water runoff from non-process areas associated with paper mill operations. 3/
DSN003S – DSN005S:	Storm water runoff from non-process areas associated with paper mill operations. 3/
DSN007S, DSN012S:	Non-contact cooling water and storm water runoff from non-process areas associated with paper mill operations. 3/
DSN008S, DSN013S:	Storm water runoff from non-process areas associated with paper mill operations. 3/
DSN009S, DSN010S:	Storm water runoff from non-process areas associated with biomass operations 3/

Such discharge shall be limited and monitored by the permittee as specified below:

	DISCHARGE LIMITATIONS					MONITORING REQUIREMENTS 1/		
EFFLUENT CHARACTERISTIC	Monthly Average	Daily Maximum	Daily Minimum	Monthly Average	Daily Maximum	Measurement Frequency 2/	Sample Type	Seasonal
pH	-	-	REPORT S.U.	-	REPORT S.U.	Semi-Annually	Grab	-
Solids, Total Suspended	-	-	-	-	REPORT mg/l	Semi-Annually	Grab	-
Oil & Grease	-	-	-	-	15 mg/l	Semi-Annually	Grab	-
Flow, In Conduit or Thru Treatment Plant	-	REPORT MGD	-	-	-	Semi-Annually	Estimate 4/	-
Chemical Oxygen Demand (COD)	-	-	-	-	REPORT mg/l	Semi-Annually	Grab	-

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.

2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.

3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.

4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the permittee is authorized to discharge from the following point source(s) outfall(s), described more fully in the permittee's application:

DSN0071: Non-contact cooling water 3/

Such discharge shall be limited and monitored by the permittee as specified below:

	DISCHARGE LIMITATIONS			MONITORING REQUIREMENTS 1/				
EFFLUENT CHARACTERISTIC	Monthly Average	Daily Maximum	Daily Minimum	Monthly Average	Daily Maximum	Measurement Frequency 2/	Sample Type	Seasonal
Temperature, Water Deg. Fahrenheit	-	-	-	-	95 F	Monthly	Grab	-
Chlorine, Total Residual 5/	-	1.5 lbs/day	-	-	-	Monthly	Grab	-
Chlorine, Total Residual	-	REPORT lbs/day	-	-	-	Monthly	Grab	-
Flow, In Conduit or Thru Treatment Plant	-	REPORT MGD	-	-	-	Monthly	Estimate	-

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.

2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.

3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.

4/ Monitoring requirements only apply when DSN007 is discharging in the absence of a qualifying storm event.

5/ To show compliance with the daily max loading, the cumulative total for both DSN007 and DSN012 is required to be reported on the discharge monitoring report for DSN007.

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the permittee is authorized to discharge from the following point source(s) outfall(s), described more fully in the permittee's application:

DSN0121: Non-contact cooling water 3/

Such discharge shall be limited and monitored by the permittee as specified below:

	DISCHARGE LIMITATIONS					MONITORING REQUIREMENTS 1/		
EFFLUENT CHARACTERISTIC	Monthly Average	Daily Maximum	Daily Minimum	Monthly Average	Daily Maximum	Measurement Frequency 2/	Sample Type	Seasonal
Temperature, Water Deg. Fahrenheit	-	-	-	-	95 F	Monthly	Grab	-
Chlorine, Total Residual	-	REPORT lbs/day	-	-	-	Monthly	Grab	-
Flow, In Conduit or Thru Treatment Plant	-	REPORT MGD	-	-	-	Monthly	Estimate	-

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.

2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.

3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.

4/ Monitoring requirements only apply when DSN012 is discharging in the absence of a qualifying storm event.

B. DISCHARGE MONITORING AND RECORD KEEPING REQUIREMENTS

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge and shall be in accordance with the provisions of this permit.

2. Test Procedures

For the purpose of reporting and compliance, permittees shall use one of the following procedures:

a. For parameters with an EPA established Minimum Level (ML), report the measured value if the analytical result is at or above the ML and report "0" for values below the ML. Test procedures for the analysis of pollutants shall conform to 40 CFR Part 136 and guidelines published pursuant to Section 304(h) of the FWPCA, 33 U.S.C. Section 1314(h). If more than one method for analysis of a substance is approved for use, a method having a minimum level lower than the permit limit shall be used. If the minimum level of all methods is higher than the permit limit, the method having the lowest minimum level shall be used and a report of less than the minimum level shall be reported as zero and will constitute compliance; however, should EPA approve a method with a lower minimum level during the term of this permit the permittee shall use the newly approved method.

b. For pollutants parameters without an established ML, an interim ML may be utilized. The interim ML shall be calculated as 3.18 times the Method Detection Level (MDL) calculated pursuant to 40 CFR Part 136, Appendix B.

Permittees may develop an effluent matrix-specific ML, where an effluent matrix prevents attainment of the established ML. However, a matrix specific ML shall be based upon proper laboratory method and technique. Matrix-specific MLs must be approved by the Department, and may be developed by the permittee during permit issuance, reissuance, modification, or during compliance schedule.

In either case the measured value should be reported if the analytical result is at or above the ML and "0" reported for values below the ML.

c. For parameters without an EPA established ML, interim ML, or matrix-specific ML, a report of less than the detection limit shall constitute compliance if the detection limit of all analytical methods is higher than the permit limit using the most sensitive EPA approved method. For the purpose of calculating a monthly average, "0" shall be used for values reported less than the detection limit.

The Minimum Level utilized for procedures A and B above shall be reported on the permittee's DMR. When an EPA approved test procedure for analysis of a pollutant does not exist, the Director shall approve the procedure to be used.

3. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

a. The facility name and location, point source number, date, time and exact place of sampling;

b. The name(s) of person(s) who obtained the samples or measurements;

c. The dates and times the analyses were performed;

d. The name(s) of the person(s) who performed the analyses;

e. The analytical techniques or methods used, including source of method and method number; and

f. The results of all required analyses.

4. Records Retention and Production

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete the above reports or the application for this permit, for a period of at least three years from the date of the sample measurement, report or application. This period may be extended by request of the Director at any time. If litigation or other enforcement action, under the AWPCA and/or the FWPCA, is ongoing which involves any of the above records, the records shall be kept until the litigation is resolved. Upon the written request of the Director or his designee, the permittee shall provide the Director with a copy of any record required to be retained by this paragraph. Copies of these records shall not be submitted unless requested.

All records required to be kept for a period of three years shall be kept at the permitted facility or an alternate location approved by the Department in writing and shall be available for inspection.

5. Monitoring Equipment and Instrumentation

All equipment and instrumentation used to determine compliance with the requirements of this permit shall be installed, maintained, and calibrated in accordance with the manufacturer's instructions or, in the absence of manufacturer's instructions, in accordance with accepted practices. The permittee shall develop and maintain quality assurance procedures to ensure proper operation and maintenance of all equipment and instrumentation. The quality assurance procedures shall include the proper use, maintenance, and installation, when appropriate, of monitoring equipment at the plant site.

C. DISCHARGE REPORTING REQUIREMENTS

1. Reporting of Monitoring Requirements

a. The permittee shall conduct the required monitoring in accordance with the following schedule:

MONITORING REQUIRED MORE FREQUENTLY THAN MONTHLY AND MONTHLY shall be conducted during the first full month following the effective date of coverage under this permit and every month thereafter.

QUARTERLY MONITORING shall be conducted at least once during each calendar quarter. Calendar quarters are the periods of January through March, April through June, July through September, and October through December. The permittee shall conduct the quarterly monitoring during the first complete calendar quarter following the effective date of this permit and is then required to monitor once during each quarter thereafter. Quarterly monitoring may be done anytime during the quarter, unless restricted elsewhere in this permit, but it should be submitted with the last DMR due for the quarter, i.e., (March, June, September and December DMR's).

SEMIANNUAL MONITORING shall be conducted at least once during the period of January through June and at least once during the period of July through December. The permittee shall conduct the semiannual monitoring during the first complete calendar semiannual period following the effective date of this permit and is then required to monitor once during each semiannual period thereafter. Semiannual monitoring may be done anytime during the semiannual period, unless restricted elsewhere in this permit, but it should be submitted with the last DMR for the month of the semiannual period, i.e. (June and December DMR's).

ANNUAL MONITORING shall be conducted at least once during the period of January through December. The permittee shall conduct the annual monitoring during the first complete calendar annual period following the effective date of this permit and is then required to monitor once during each annual period thereafter. Annual monitoring may be done anytime during the year, unless restricted elsewhere in this permit, but it should be submitted with the December DMR.

b. The permittee shall submit discharge monitoring reports (DMRs) on the forms provided by the Department and in accordance with the following schedule:

REPORTS OF MORE FREQUENTLY THAN MONTHLY AND MONTHLY TESTING shall be submitted on a **monthly** basis. The first report is due on the **28th day of (MONTH, YEAR).** The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

REPORTS OF QUARTERLY TESTING shall be submitted on a **quarterly** basis. The first report is due on the **28th day of [Month, Year].** The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

REPORTS OF SEMIANNUAL TESTING shall be submitted on a semiannual basis. The reports are due on the 28th day of JANUARY and the 28th day of JULY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

REPORTS OF ANNUAL TESTING shall be submitted on an annual basis. The first report is due on the 28th day of JANUARY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

c. Except as allowed by Provision I.C.1.c.(1) or (2), the permittee shall submit all Discharge Monitoring Reports (DMRs) required by Provision I.C.1.b by utilizing the Department's web-based Electronic Environmental (E2) Reporting System.

(1) If the permittee is unable to complete the electronic submittal of DMR data due to technical problems originating with the Department's E2 Reporting system (this could include entry/submittal issues with an entire set of DMRs or individual parameters), the permittee is not relieved of their obligation to submit DMR data to the Department by the date specified in Provision I.C.1.b, unless otherwise directed by the Department.

If the E2 Reporting System is down on the 28th day of the month in which the DMR is due or is down for an extended period of time, as determined by the Department, when a DMR is required to be submitted, the permittee may submit the data in an alternate manner and format acceptable to the Department. Preapproved alternate acceptable methods include faxing, e-mailing, mailing, or hand-delivery of data such that they are received by the required reporting date. Within 5 calendar days of the E2 Reporting System resuming operation, the permittee shall enter the data into the E2 Reporting System, unless an alternate timeframe is approved by the Department. An attachment should be included with the E2 DMR submittal verifying the original submittal date (date of the fax, copy of the dated e-mail, or hand-delivery stamped date), if applicable.

(2) The permittee may submit a request to the Department for a temporary electronic reporting waiver for DMR submittals. The waiver request should include the permit number; permittee name; facility/site name; facility address; name, address, and contact information for the responsible official or duly authorized representative; a detailed statement regarding the basis for requesting such a waiver; and the duration for which the waiver is requested. Approved electronic reporting waivers are not transferrable.

Permittees with an approved electronic reporting waiver for DMRs may submit hard copy DMRs for the period that the approved electronic reporting waiver request is effective. The permittee shall submit the Department-approved DMR forms to the address listed in Provision I.C.1.e.

(3) If a permittee is allowed to submit a hard copy DMR, the DMR must be legible and bear an original signature. Photo and electronic copies of the signature are not acceptable and shall not satisfy the reporting requirements of this permit.

(4) If the permittee, using approved analytical methods as specified in Provision I.B.2, monitors any discharge from a point source for a limited substance identified in Provision I.A. of this permit more frequently than required by this permit, the results of such monitoring shall be included in the calculation and reporting of values on the DMR and the increased frequency shall be indicated on the DMR.

(5) In the event no discharge from a point source identified in Provision I.A. of this permit and described more fully in the permittee's application occurs during a monitoring period, the permittee shall report "No Discharge" for such period on the appropriate DMR.

d. All reports and forms required to be submitted by this permit, the AWPCA and the Department's Rules, shall be electronically signed (or, if allowed by the Department, traditionally signed) by a "responsible official" of the permittee as defined in ADEM Administrative Code Rule 335-6-5-.14 or a "duly authorized representative" of such official as defined in ADEM Administrative Code Rule 335-6-5-.14 and shall bear the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

e. Discharge Monitoring Reports required by this permit, the AWPCA, and the Department's Rules that are being submitted in hard copy shall be addressed to:

Alabama Department of Environmental Management
Permits and Services Division
Environmental Data Section
Post Office Box 301463
Montgomery, Alabama 36130-1463

Certified and Registered Mail containing Discharge Monitoring Reports shall be addressed to:

Alabama Department of Environmental Management
Permits and Services Division
Environmental Data Section
1400 Coliseum Boulevard
Montgomery, Alabama 36110-2400

f. All other correspondence and reports required to be submitted by this permit, the AWPCA, and the Department's Rules shall be addressed to:

Alabama Department of Environmental Management

Water Division
Post Office Box 301463
Montgomery, Alabama 36130-1463

Certified and Registered Mail shall be addressed to:

Alabama Department of Environmental Management
Water Division
1400 Coliseum Boulevard
Montgomery, Alabama 36110-2400

g. If this permit is a re-issuance, then the permittee shall continue to submit DMRs in accordance with the requirements of their previous permit until such time as DMRs are due as discussed in Part I.C.1.b above.

2. Noncompliance Notification

a. 24-Hour Noncompliance Reporting

The permittee shall report to the Director, within 24-hours of becoming aware of the noncompliance, any noncompliance which may endanger health or the environment. This shall include but is not limited to the following circumstances:

(1) does not comply with any daily minimum or maximum discharge limitation for an effluent characteristic specified in Provision I. A. of this permit which is denoted by an "(X)";

(2) threatens human health or welfare, fish or aquatic life, or water quality standards;

(3) does not comply with an applicable toxic pollutant effluent standard or prohibition established under Section 307(a) of the FWPCA, 33 U.S.C. Section 1317(a);

(4) contains a quantity of a hazardous substance which has been determined may be harmful to public health or welfare under Section 311(b)(4) of the FWPCA, 33 U.S.C. Section 1321(b)(4);

(5) exceeds any discharge limitation for an effluent characteristic as a result of an unanticipated bypass or upset; and

(6) is an unpermitted direct or indirect discharge of a pollutant to a water of the state (unpermitted discharges properly reported to the Department under any other requirement are not required to be reported under this provision).

The permittee shall orally report the occurrence and circumstances of such discharge to the Director within 24-hours after the permittee becomes aware of the occurrence of such discharge. In addition to the oral report, the permittee shall submit to the Director or Designee a written report as provided in Part I.C.2.c no later than five (5) days after becoming aware of the occurrence of such discharge.

b. If for any reason, the permittee's discharge does not comply with any limitation of this permit, the permittee shall submit to the Director or Designee a written report as provided in Part I.C.2.c below, such report shall be submitted with the next Discharge Monitoring Report required to be submitted by Part I.C.1 of this permit after becoming aware of the occurrence of such noncompliance.

c. Any written report required to be submitted to the Director or Designee by Part I.C.2 a. or b. shall be submitted using a Noncompliance Notification Form (ADEM Form 421) available on the Department's website (http://adem.alabama.gov/DeptForms/Form421.pdf) and include the following information:

(1) A description of the discharge and cause of noncompliance;

(2) The period of noncompliance, including exact dates and times or, if not corrected, the anticipated time the noncompliance is expected to continue; and

(3) A description of the steps taken and/or being taken to reduce or eliminate the noncomplying discharge and to prevent its recurrence.

D. OTHER REPORTING AND NOTIFICATION REQUIREMENTS

1. Anticipated Noncompliance

2. Termination of Discharge

The permittee shall notify the Director, in writing, when all discharges from any point source(s) identified in Provision I. A. of this permit have permanently ceased. This notification shall serve as sufficient cause for instituting procedures for modification or termination of the permit.

3. Updating Information

a. The permittee shall inform the Director of any change in the permittee's mailing address, telephone number or in the permittee's designation of a facility contact or office having the authority and responsibility to prevent and abate violations of the AWPCA, the Department's Rules, and the terms and conditions of this permit, in writing, no later than ten (10) days after such change. Upon request of the Director or his designee, the permittee shall furnish the Director with an update of any information provided in the permit application.

b. If the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information with a written explanation for the mistake and/or omission.

4. Duty to Provide Information

The permittee shall furnish to the Director, within a reasonable time, any information which the Director or his designee may request to determine whether cause exists for modifying, revoking and re-issuing, suspending, or terminating this permit, in whole or in part, or to determine compliance with this permit.

5. Cooling Water and Boiler Water Additives

a. The permittee shall notify the Director in writing not later than thirty (30) days prior to instituting the use of any biocide corrosion inhibitor or chemical additive in a cooling or boiler system, not identified in the application for this permit, from which discharge is allowed by this permit. Notification is not required for additives that do not contain a heavy metal(s) as an active ingredient and that pass through a wastewater treatment system prior to discharge nor is notification required for additives that should not reasonably be expected to cause the cooling water or boiler water to exhibit toxicity as determined by analysis of manufacturer's data or testing by the permittee. Such notification shall include:

(1) name and general composition of biocide or chemical;

(2) 96-hour median tolerance limit data for organisms representative of the biota of the waterway into which the discharge will ultimately reach;

(2) quantities to be used;

(3) frequencies of use;

(4) proposed discharge concentrations; and

(6) EPA registration number, if applicable.

b. The use of a biocide or additive containing tributyl tin, tributyl tin oxide, zinc, chromium or related compounds in cooling or boiler system(s), from which a discharge regulated by this permit occurs, is prohibited except as exempted below. The use of a biocide or additive containing zinc, chromium or related compounds may be used in special circumstances if (1) the permit contains limits for these substances, or (2) the applicant demonstrates during the application process that the use of zinc, chromium or related compounds as a biocide or additive will not pose a reasonable potential to violate the applicable State water quality standards for these substances. The use of any additive, not identified in this permit or in the application for this permit or not exempted from notification under this permit is prohibited, prior to a determination by the Department that permit modification to control discharge of the additive is not required or prior to issuance of a permit modification controlling discharge of the additive.

6. Permit Issued Based On Estimated Characteristics

a. If this permit was issued based on estimates of the characteristics of a process discharge reported on an EPA NPDES Application Form 2D (EPA Form 3510-2D), the permittee shall complete and submit an EPA NPDES Application Form 2C (EPA Form 3510-2C) no later than two years after the date that discharge begins. Sampling required for completion of the Form 2C shall occur when a discharge(s) from the process(s) causing the new or increased discharge is occurring. If this permit was issued based on estimates concerning the composition of a stormwater discharge(s), the permittee shall perform the sampling required by EPA NPDES Application Form 2F (EPA Form 3510-2F) no later than one year after the industrial activity generating the stormwater discharge has been fully initiated.

b. This permit shall be reopened if required to address any new information resulting from the completion and submittal of the Form 2C and or 2F.

E. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the discharge limitations specified in Provision I. A. in accordance with the following schedule:

COMPLIANCE SHALL BE ATTAINED ON THE EFFECTIVE DATE OF THIS PERMIT

2. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

PART II OTHER REQUIREMENTS, RESPONSIBILITIES, AND DUTIES

A. OPERATIONAL AND MANAGEMENT REQUIREMENTS

1. Facilities Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities only when necessary to achieve compliance with the conditions of the permit.

2. Best Management Practices

a. Dilution water shall not be added to achieve compliance with discharge limitations except when the Director or his designee has granted prior written authorization for dilution to meet water quality requirements.

b. The permittee shall prepare, implement, and maintain a Spill Prevention, Control and Countermeasures (SPCC) Plan in accordance with 40 C.F.R. Section 112 if required thereby.

c. The permittee shall prepare, submit for approval and implement a Best Management Practices (BMP) Plan for containment of any or all process liquids or solids, in a manner such that these materials do not present a significant potential for discharge, if so required by the Director or his designee. When submitted and approved, the BMP Plan shall become a part of this permit and all requirements of the BMP Plan shall become requirements of this permit.

3. Spill Prevention, Control, and Management

The permittee shall provide spill prevention, control, and/or management sufficient to prevent any spills of pollutants from entering a water of the state or a publicly or privately owned treatment works. Any containment system used to implement this requirement shall be constructed of materials compatible with the substance(s) contained and which shall prevent the contamination of groundwater and such containment system shall be capable of retaining a volume equal to 110 percent of the capacity of the largest tank for which containment is provided.

B. OTHER RESPONSIBILITIES

1. Duty to Mitigate Adverse Impacts

The permittee shall promptly take all reasonable steps to mitigate and minimize or prevent any adverse impact on human health or the environment resulting from noncompliance with any discharge limitation specified in Provision I. A. of this permit, including such accelerated or additional monitoring of the discharge and/or the receiving waterbody as necessary to determine the nature and impact of the noncomplying discharge.

2. Right of Entry and Inspection

The permittee shall allow the Director, or an authorized representative, upon the presentation of proper credentials and other documents as may be required by law to:

a. enter upon the permittee's premises where a regulated facility or activity or point source is located or conducted, or where records must be kept under the conditions of the permit;

b. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

c. inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under the permit; and

d. sample or monitor, for the purposes of assuring permit compliance or as otherwise authorized by the AWPCA, any substances or parameters at any location.

C. BYPASS AND UPSET

1. Bypass

a. Any bypass is prohibited except as provided in b. and c. below:

b. A bypass is not prohibited if:

(1) It does not cause any discharge limitation specified in Provision I. A. of this permit to be exceeded;

(2) It enters the same receiving stream as the permitted outfall; and

(3) It is necessary for essential maintenance of a treatment or control facility or system to assure efficient operation of such facility or system.

c. A bypass is not prohibited and need not meet the discharge limitations specified in Provision I. A. of this permit if:

(1) It is unavoidable to prevent loss of life, personal injury, or severe property damage;

(2) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime (this condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance); and

(3) The permittee submits a written request for authorization to bypass to the Director at least ten (10) days prior to the anticipated bypass (if possible), the permittee is granted such authorization, and the permittee complies with any conditions imposed by the Director to minimize any adverse impact on human health or the environment resulting from the bypass.

d. The permittee has the burden of establishing that each of the conditions of Provision II.C.1.b. or c. have been met to qualify for an exception to the general prohibition against bypassing contained in a. and an exemption, where applicable, from the discharge limitations specified in Provision I. A. of this permit.

2. Upset

a. A discharge which results from an upset need not meet the discharge limitations specified in Provision I. A. of this permit if:

(1) No later than 24-hours after becoming aware of the occurrence of the upset, the permittee orally reports the occurrence and circumstances of the upset to the Director or his designee; and

(2) No later than five (5) days after becoming aware of the occurrence of the upset, the permittee furnishes the Director with evidence, including properly signed, contemporaneous operating logs, or other relevant evidence, demonstrating that (i) an upset occurred; (ii) the permittee can identify the specific cause(s) of the upset; (iii) the permittee's facility was being properly operated at the time of the upset; and (iv) the permittee promptly took all reasonable steps to minimize any adverse impact on human health or the environment resulting from the upset.

b. The permittee has the burden of establishing that each of the conditions of Provision II. C.2.a. of this permit have been met to qualify for an exemption from the discharge limitations specified in Provision I.A. of this permit.

D. DUTY TO COMPLY WITH PERMIT, RULES, AND STATUTES

1. Duty to Comply

a. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the AWPCA and the FWPCA and is grounds for enforcement action, for permit termination, revocation and reissuance, suspension, modification; or denial of a permit renewal application.

b. The necessity to halt or reduce production or other activities in order to maintain compliance with the conditions of the permit shall not be a defense for a permittee in an enforcement action.

c. The discharge of a pollutant from a source not specifically identified in the permit application for this permit and not specifically included in the description of an outfall in this permit is not authorized and shall constitute noncompliance with this permit.

d. The permittee shall take all reasonable steps, including cessation of production or other activities, to minimize or prevent any violation of this permit or to minimize or prevent any adverse impact of any permit violation.

e. Nothing in this permit shall be construed to preclude and negate the permittee's responsibility or liability to apply for, obtain, or comply with other ADEM, Federal, State, or Local Government permits, certifications, licenses, or other approvals.

2. Removed Substances

Solids, sludges, filter backwash, or any other pollutant or other waste removed in the course of treatment or control of wastewaters shall be disposed of in a manner that complies with all applicable Department Rules.

3. Loss or Failure of Treatment Facilities

Upon the loss or failure of any treatment facilities, including but not limited to the loss or failure of the primary source of power of the treatment facility, the permittee shall, where necessary to maintain compliance with the discharge limitations specified in Provision I. A. of this permit, or any other terms or conditions of this permit, cease, reduce, or otherwise control production and/or all discharges until treatment is restored. If control of discharge during loss or failure of the primary source of power is to be accomplished by means of alternate power sources, standby generators, or retention of inadequately treated effluent, the permittee must furnish to the Director within six months a certification that such control mechanisms have been installed.

4. Compliance with Statutes and Rules

a. This permit has been issued under ADEM Administrative Code, Chapter 335-6-6. All provisions of this chapter, that are applicable to this permit, are hereby made a part of this permit. A copy of this chapter may be obtained for a small charge from the Office of General Counsel, Alabama Department of Environmental Management, 1400 Coliseum Blvd., Montgomery, AL 36130.

b. This permit does not authorize the noncompliance with or violation of any Laws of the State of Alabama or the United States of America or any regulations or rules implementing such laws. FWPCA, 33 U.S.C. Section 1319, and Code of Alabama 1975, Section 22-22-14.

E. PERMIT TRANSFER, MODIFICATION, SUSPENSION, REVOCATION, AND REISSUANCE

1. Duty to Reapply or Notify of Intent to Cease Discharge

a. If the permittee intends to continue to discharge beyond the expiration date of this permit, the permittee shall file a complete permit application for reissuance of this permit at least 180 days prior to its expiration. If the permittee does not intend to continue discharge beyond the expiration of this permit, the permittee shall submit written notification of this intent which shall be signed by an individual meeting the signatory requirements for a permit application as set forth in ADEM Administrative Code Rule 335-6-6-.09.

b. Failure of the permittee to apply for reissuance at least 180 days prior to permit expiration will void the automatic continuation of the expiring permit provided by ADEM Administrative Code Rule 335-6-6-.06 and should the permit not be reissued for any reason any discharge after expiration of this permit will be an unpermitted discharge.

2. Change in Discharge

a. The permittee shall apply for a permit modification at least 180 days in advance of any facility expansion, production increase, process change, or other action that could result in the discharge of additional pollutants or increase the quantity of a discharged pollutant such that existing permit limitations would be exceeded or that could result in an additional discharge point. This requirement applies to pollutants that are or that are not subject to discharge limitations in this permit. No new or increased discharge may begin until the Director has authorized it by issuance of a permit modification or a reissued permit.

b. The permittee shall notify the Director as soon as it is known or there is reason to believe:

(1) That any activity has occurred or will occur which would result in the discharge on a routine or frequent basis, of any toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following notification levels:

(a) one hundred micrograms per liter;

(b) two hundred micrograms per liter for acrolein and acrylonitrile; five hundred micrograms per liter for 2,4-dinitrophenol and for 2-methyl-4,6-dini-trophenol; and one milligram per liter for antimony;

(c) five times the maximum concentration value reported for that pollutant in the permit application; or

(2) That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:

(a) five hundred micrograms per liter;

(b) one milligram per liter for antimony;

(c) ten times the maximum concentration value reported for that pollutant in the permit application.

3. Transfer of Permit

This permit may not be transferred or the name of the permittee changed without notice to the Director and subsequent modification or revocation and reissuance of the permit to identify the new permittee and to incorporate any other changes as may be required under the FWPCA or AWPCA. In the case of a change in name, ownership or control of the permittee's premises only, a request for permit modification in a format acceptable to the Director is required at least 30 days prior to the change. In the case of a change in name, ownership or control of the permittee's premises accompanied by a change or proposed change in effluent characteristics, a complete permit application is required to be submitted to the Director at least 180 days prior to the change. Whenever the Director is notified of a change in name, ownership or control, he may decide not to modify the existing permit and require the submission of a new permit application.

4. Permit Modification and Revocation

a. This permit may be modified or revoked and reissued, in whole or in part, during its term for cause, including but not limited to, the following:

(1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to revoke and reissue this permit instead of terminating the permit;

(2) If a request to transfer this permit has been received, the Director may decide to revoke and reissue or to modify the permit; or

(3) If modification or revocation and reissuance is requested by the permittee and cause exists, the Director may grant the request.

b. This permit may be modified during its term for cause, including but not limited to, the following:

(1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to modify this permit instead of terminating this permit;

(2) There are material and substantial alterations or additions to the facility or activity generating wastewater which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit;

(3) The Director has received new information that was not available at the time of permit issuance and that would have justified the application of different permit conditions at the time of issuance;

(4) A new or revised requirement(s) of any applicable standard or limitation is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA;

(5) Errors in calculation of discharge limitations or typographical or clerical errors were made;

(6) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, when the standards or regulations on which the permit was based have been changed by promulgation of amended standards or regulations or by judicial decision after the permit was issued;

(7) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, permits may be modified to change compliance schedules;

(8) To agree with a granted variance under 30l(c), 30l(g), 30l(h), 30l(k), or 3l6(a) of the FWPCA or for fundamentally different factors;

(9) To incorporate an applicable 307(a) FWPCA toxic effluent standard or prohibition;

(10) When required by the reopener conditions in this permit;

(11) When required under 40 CFR 403.8(e) (compliance schedule for development of pretreatment program);

(12) Upon failure of the state to notify, as required by Section 402(b)(3) of the FWPCA, another state whose waters may be affected by a discharge permitted by this permit;

(13) When required to correct technical mistakes, such as errors in calculation, or mistaken interpretations of law made in determining permit conditions; or

(14) When requested by the permittee and the Director determines that the modification has cause and will not result in a violation of federal or state law, regulations or rules.

5. Permit Termination

This permit may be terminated during its term for cause, including but not limited to, the following:

a. Violation of any term or condition of this permit;

b. The permittee's misrepresentation or failure to disclose fully all relevant facts in the permit application or during the permit issuance process or the permittee's misrepresentation of any relevant facts at any time;

c. Materially false or inaccurate statements or information in the permit application or the permit;

d. A change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge;

e. The permittee's discharge threatens human life or welfare or the maintenance of water quality standards;

f. Permanent closure of the facility generating the wastewater permitted to be discharged by this permit or permanent cessation of wastewater discharge;

g. New or revised requirements of any applicable standard or limitation that is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA that the Director determines cannot be complied with by the permittee; or

h. Any other cause allowed by the ADEM Administrative Code, Chapter 335-6-6.

6. Permit Suspension

This permit may be suspended during its term for noncompliance until the permittee has taken action(s) necessary to achieve compliance.

7. Request for Permit Action Does Not Stay Any Permit Requirement

The filing of a request by the permittee for modification, suspension or revocation of this permit, in whole or in part, does not stay any permit term or condition.

F. COMPLIANCE WITH TOXIC POLLUTANT STANDARD OR PROHIBITION

If any applicable effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the FWPCA, 33 U.S.C. Section 1317(a), for a toxic pollutant discharged by the permittee and such standard or prohibition is more stringent than any discharge limitation on the pollutant specified in Provision I. A. of this permit, or controls a pollutant not limited in Provision I. A. of this permit, this permit shall be modified to conform to the toxic pollutant effluent standard or prohibition and the permittee shall be notified of such modification. If this permit has not been modified to conform to the toxic pollutant effluent standard or prohibition before the effective date of such standard or prohibition, the permittee shall attain compliance with the requirements of the standard or prohibition within the time period required by the standard or prohibition and shall continue to comply with the standard or prohibition until this permit is modified or reissued.

G. DISCHARGE OF WASTEWATER GENERATED BY OTHERS

The discharge of wastewater, generated by any process, facility, or by any other means not under the operational control of the permittee or not identified in the application for this permit or not identified specifically in the description of an outfall in this permit is not authorized by this permit.

PART III OTHER PERMIT CONDITIONS

A. CIVIL AND CRIMINAL LIABILITY

1. Tampering

Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained or performed under the permit shall, upon conviction, be subject to penalties as provided by the AWPCA.

2. False Statements

Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be subject to penalties as provided by the AWPCA.

3. Permit Enforcement

a. Any NPDES permit issued or reissued by the Department is a permit for the purpose of the AWPCA and the FWPCA and as such any terms, conditions, or limitations of the permit are enforceable under state and federal law.

b. Any person required to have a NPDES permit pursuant to ADEM Administrative Code Chapter 335-6-6 and who discharges pollutants without said permit, who violates the conditions of said permit, who discharges pollutants in a manner not authorized by the permit, or who violates applicable orders of the Department or any applicable rule or standard of the Department, is subject to any one or combination of the following enforcement actions under applicable state statutes.

(1) An administrative order requiring abatement, compliance, mitigation, cessation, clean-up, and/or penalties;

(2) An action for damages;

(3) An action for injunctive relief; or

(4) An action for penalties.

c. If the permittee is not in compliance with the conditions of an expiring or expired permit the Director may choose to do any or all of the following provided the permittee has made a timely and complete application for reissuance of the permit:

(1) initiate enforcement action based upon the permit which has been continued;

(2) issue a notice of intent to deny the permit reissuance. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;

(3) reissue the new permit with appropriate conditions; or

(4) take other actions authorized by these rules and AWPCA.

4. Relief from Liability

Except as provided in Provision II.C.1 (Bypass) and Provision II.C.2 (Upset), nothing in this permit shall be construed to relieve the permittee of civil or criminal liability under the AWPCA or FWPCA for noncompliance with any term or condition of this permit.

B. OIL AND HAZARDOUS SUBSTANCE LIABILITY

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject under Section 311 of the FWPCA, 33 U.S.C. Section 1321.

C. PROPERTY AND OTHER RIGHTS

This permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to persons or property or invasion of other private rights, trespass, or any infringement of federal, state, or local laws or regulations, nor does it authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any waters of the state or of the United States.

D. AVAILABILITY OF REPORTS

Except for data determined to be confidential under Code of Alabama 1975, Section 22-22-9(c), all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department. Effluent data shall not be considered confidential.

E. EXPIRATION OF PERMITS FOR NEW OR INCREASED DISCHARGES

1. If this permit was issued for a new discharger or new source, this permit shall expire eighteen months after the issuance date if construction of the facility has not begun during the eighteen-month period.

2. If this permit was issued or modified to allow the discharge of increased quantities of pollutants to accommodate the modification of an existing facility and if construction of this modification has not begun during the eighteen month period after issuance of this permit or permit modification, this permit shall be modified to reduce the quantities of pollutants allowed to be discharged to those levels that would have been allowed if the modification of the facility had not been planned.

3. Construction has begun when the owner or operator has:

   a. begun, or caused to begin as part of a continuous on-site construction program:

      (1) any placement, assembly, or installation of facilities or equipment; or

      (2) significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which is necessary for the placement, assembly, or installation of new source facilities or equipment; or

   b. entered into a binding contractual obligation for the purpose of placement, assembly, or installation of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under the paragraph. The entering into a lease with the State of Alabama for exploration and production of hydrocarbons shall also be considered beginning construction.

F. COMPLIANCE WITH WATER QUALITY STANDARDS

1. On the basis of the permittee's application, plans, or other available information, the Department has determined that compliance with the terms and conditions of this permit should assure compliance with the applicable water quality standards.

2. Compliance with permit terms and conditions notwithstanding, if the permittee's discharge(s) from point sources identified in Provision I. A. of this permit cause or contribute to a condition in contravention of state water quality standards, the Department may require abatement action to be taken by the permittee in emergency situations or modify the permit pursuant to the Department's Rules, or both.

3. If the Department determines, on the basis of a notice provided pursuant to this permit or any investigation, inspection or sampling, that a modification of this permit is necessary to assure maintenance of water quality standards or compliance with other provisions of the AWPCA or FWPCA, the Department may require such modification and, in cases of emergency, the Director may prohibit the discharge until the permit has been modified.

G. GROUNDWATER

Unless specifically authorized under this permit, this permit does not authorize the discharge of pollutants to groundwater. Should a threat of groundwater contamination occur, the Director may require groundwater monitoring to properly assess the degree of the problem and the Director may require that the Permittee undertake measures to abate any such discharge and/or contamination.

H. DEFINITIONS

1. Average monthly discharge limitation - means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).

2. Average weekly discharge limitation - means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).

3. Arithmetic Mean – means the summation of the individual values of any set of values divided by the number of individual values.

4. AWPCA - means the Alabama Water Pollution Control Act.

5. BOD – means the five-day measure of the pollutant parameter biochemical oxygen demand.

6. Bypass - means the intentional diversion of waste streams from any portion of a treatment facility.

7. CBOD – means the five-day measure of the pollutant parameter carbonaceous biochemical oxygen demand.

8. Daily discharge - means the discharge of a pollutant measured during any consecutive 24-hour period in accordance with the sample type and analytical methodology specified by the discharge permit.

9. Daily maximum - means the highest value of any individual sample result obtained during a day.

10. Daily minimum - means the lowest value of any individual sample result obtained during a day.

11. Day - means any consecutive 24-hour period.

12. Department - means the Alabama Department of Environmental Management.

13. Director - means the Director of the Department.

14. Discharge - means "[t]he addition, introduction, leaking, spilling or emitting of any sewage, industrial waste, pollutant or other wastes into waters of the state". Code of Alabama 1975, Section 22-22-1(b)(8).

15. Discharge Monitoring Report (DMR) - means the form approved by the Director to accomplish reporting requirements of an NPDES permit.

16. DO – means dissolved oxygen.

17. 8HC – means 8-hour composite sample, including any of the following:

    a. The mixing of at least 5 equal volume samples collected at constant time intervals of not more than 2 hours over a period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.

    b. A sample continuously collected at a constant rate over period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.

18. EPA - means the United States Environmental Protection Agency.

19. FC – means the pollutant parameter fecal coliform.

20. Flow – means the total volume of discharge in a 24-hour period.

21. FWPCA - means the Federal Water Pollution Control Act.

22. Geometric Mean – means the Nth root of the product of the individual values of any set of values where N is equal to the number of individual values. The geometric mean is equivalent to the antilog of the arithmetic mean of the logarithms of the individual values. For purposes of calculating the geometric mean, values of zero (0) shall be considered one (1).

23. Grab Sample – means a single influent or effluent portion which is not a composite sample. The sample(s) shall be collected at the period(s) most representative of the discharge.

24. Indirect Discharger – means a nondomestic discharger who discharges pollutants to a publicly owned treatment works or a privately owned treatment facility operated by another person.

25. Industrial User – means those industries identified in the Standard Industrial Classification manual, Bureau of the Budget 1967, as amended and supplemented, under the category "Division D – Manufacturing" and such other classes of significant waste producers as, by regulation, the Director deems appropriate.

26. MGD – means million gallons per day.

27. Monthly Average – means, other than for fecal coliform bacteria, the arithmetic mean of the entire composite or grab samples taken for the daily discharges collected in one month period. The monthly average for fecal coliform bacteria is the geometric mean of daily discharge samples collected in a one month period. The monthly average for flow is the arithmetic mean of all flow measurements taken in a one month period.

28. New Discharger – means a person, owning or operating any building, structure, facility or installation:

    a. from which there is or may be a discharge of pollutants;

    b. that did not commence the discharge of pollutants prior to August 13, 1979, and which is not a new source; and

    c. which has never received a final effective NPDES permit for dischargers at that site.

29. NH3-N – means the pollutant parameter ammonia, measured as nitrogen.

30. Permit application - means forms and additional information that is required by ADEM Administrative Code Rule 335-6-6-.08 and applicable permit fees.

31. Point source - means "any discernible, confined and discrete conveyance, including but not limited to any pipe, channel, ditch, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, or vessel or other floating craft, . . . from which pollutants are or may be discharged." Section 502(14) of the FWPCA, 33 U.S.C. Section 1362(14).

32. Pollutant - includes for purposes of this permit, but is not limited to, those pollutants specified in Code of Alabama 1975, Section 22-22-1(b)(3) and those effluent characteristics specified in Provision I. A. of this permit.

33. Privately Owned Treatment Works – means any devices or system which is used to treat wastes from any facility whose operator is not the operator of the treatment works, and which is not a "POTW".

34. Publicly Owned Treatment Works – means a wastewater collection and treatment facility owned by the State, municipality, regional entity composed of two or more municipalities, or another entity created by the State or local authority for the purpose of collecting and treating municipal wastewater.

35. Receiving Stream – means the "waters" receiving a "discharge" from a "point source".

36. Severe property damage - means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

37. Significant Source – means a source which discharges 0.025 MGD or more to a POTW or greater than five percent of the treatment work's capacity, or a source which is a primary industry as defined by the U.S. EPA or which discharges a priority or toxic pollutant.

38. Solvent – means any virgin, used or spent organic solvent(s) identified in the F-Listed wastes (F001 through F005) specified in 40 CFR 261.31 that is used for the purpose of solubilizing other materials.

39. TKN – means the pollutant parameter Total Kjeldahl Nitrogen.

40. TON – means the pollutant parameter Total Organic Nitrogen.

41. TRC – means Total Residual Chlorine.

42. TSS – means the pollutant parameter Total Suspended Solids.

43. 24HC – means 24-hour composite sample, including any of the following:

    a. the mixing of at least 12 equal volume samples collected at constant time intervals of not more than 2 hours over a period of 24 hours;

    b. a sample collected over a consecutive 24-hour period using an automatic sampler composite to one sample. As a minimum, samples shall be collected hourly and each shall be no more than one twenty-fourth (1/24) of the total sample volume collected; or

    c. a sample collected over a consecutive 24-hour period using an automatic composite sampler composited proportional to flow.

44. Upset - means an exceptional incident in which there is an unintentional and temporary noncompliance with technology-based permit discharge limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

45. Waters - means "[a]ll waters of any river, stream, watercourse, pond, lake, coastal, ground or surface water, wholly or partially within the state, natural or artificial. This does not include waters which are entirely confined and retained completely upon the property of a single individual, partnership or corporation unless such waters are used in interstate commerce." Code of Alabama 1975, Section 22-22-1(b)(2). Waters "include all navigable waters" as defined in Section 502(7) of the FWPCA, 22 U.S.C. Section 1362(7), which are within the State of Alabama.

46. Week - means the period beginning at twelve midnight Saturday and ending at twelve midnight the following Saturday.

47. Weekly (7-day and calendar week) Average – is the arithmetic mean of all samples collected during a consecutive 7-day period or calendar week, whichever is applicable. The calendar week is defined as beginning on Sunday and ending on Saturday. Weekly averages shall be calculated for all calendar weeks with Saturdays in the month. If a calendar week overlaps two months (i.e., the Sunday is in one month and the Saturday in the following month), the weekly average calculated for the calendar week shall be included in the data for the month that contains the Saturday.

I. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

PART IV ADDITIONAL REQUIREMENTS, CONDITIONS, AND LIMITATIONS

A. BEST MANAGEMENT PRACTICES (BMP) PLAN REQUIREMENTS

1. BMP Plan

The permittee shall develop and implement a Best Management Practices (BMP) Plan which prevents, or minimizes the potential for, the release of pollutants from ancillary activities, including material storage areas; plant site runoff; in-plant transfer, process and material handling areas; loading and unloading operations, and sludge and waste disposal areas, to the waters of the State through plant site runoff; spillage or leaks; sludge or waste disposal; or drainage from raw material storage.

2. Plan Content

The permittee shall prepare and implement a best management practices (BMP) plan, which shall:

a. Establish specific objectives for the control of pollutants:

(1) Each facility component or system shall be examined for its potential for causing a release of significant amounts of pollutants to waters of the State due to equipment failure, improper operation, natural phenomena such as rain or snowfall, etc.

(2) Where experience indicates a reasonable potential for equipment failure (e.g., a tank overflow or leakage), natural condition (e.g. precipitation), or circumstances to result in significant amounts of pollutants reaching surface waters, the plan should include a prediction of the direction, rate of flow, and total quantity of pollutants which could be discharged from the facility as a result of each condition or circumstance.

b. Establish specific best management practices to meet the objectives identified under paragraph a. of this section, addressing each component or system capable of causing a release of significant amounts of pollutants to the waters of the State, and identifying specific preventative or remedial measures to be implemented;

c. Establish a program to identify and repair leaking equipment items and damaged containment structures, which may contribute to contaminated stormwater runoff. This program must include regular visual inspections of equipment, containment structures and of the facility in general to ensure that the BMP is continually implemented and effective;

d. Prevent the spillage or loss of fluids, oil, grease, gasoline, etc. from vehicle and equipment maintenance activities and thereby prevent the contamination of stormwater from these substances;

e. Prevent or minimize stormwater contact with material stored on site;

f. Designate by position or name the person or persons responsible for the day to day implementation of the BMP;

g. Provide for routine inspections, on days during which the facility is manned, of any structures that function to prevent stormwater pollution or to remove pollutants from stormwater and of the facility in general to ensure that the BMP is continually implemented and effective;

h. Provide for the use and disposal of any material used to absorb spilled fluids that could contaminate stormwater;

i. Develop a solvent management plan, if solvents are used on site. The solvent management plan shall include as a minimum lists of the solvents on site; the disposal method of solvents used instead of dumping, such as reclamation, contract hauling; and the procedures for assuring that solvents do not routinely spill or leak into the stormwater;

j. Provide for the disposal of all used oils, hydraulic fluids, solvent degreasing material, etc. in accordance with good management practices and any applicable state or federal regulations;

k. Include a diagram of the facility showing the locations where stormwater exits the facility, the locations of any structure or other mechanisms intended to prevent pollution of stormwater or to remove pollutants from stormwater, the locations of any collection and handling systems;

l. Provide control sufficient to prevent or control pollution of stormwater by soil particles to the degree required to maintain compliance with the water quality standard for turbidity applicable to the waterbody(s) receiving discharge(s) under this permit;

m. Provide spill prevention, control, and/or management sufficient to prevent or minimize contaminated stormwater runoff. Any containment system used to implement this requirement shall be constructed of materials compatible with the substance(s) contained and shall prevent the contamination of groundwater. The containment system shall also be capable of retaining a volume equal to 110 percent of the capacity of the largest tank for which containment is provided;

n. Provide and maintain curbing, diking or other means of isolating process areas to the extent necessary to allow segregation and collection for treatment of contaminated stormwater from process areas;

o. Be reviewed by plant engineering staff and the plant manager; and

p. Bear the signature of the plant manager.

3. Compliance Schedule

The permittee shall have reviewed (and revised if necessary) and fully implemented the BMP plan as soon as practicable but no later than six months after the effective date of this permit.

4. Department Review

a. When requested by the Director or his designee, the permittee shall make the BMP available for Department review.

b. The Director or his designee may notify the permittee at any time that the BMP is deficient and require correction of the deficiency.

c. The permittee shall correct any BMP deficiency identified by the Director or his designee within 30 days of receipt of notification and shall certify to the Department that the correction has been made and implemented.

5. Administrative Procedures

a. A copy of the BMP shall be maintained at the facility and shall be available for inspection by representatives of the Department.

b. A log of the routine inspection required above shall be maintained at the facility and shall be available for inspection by representatives of the Department. The log shall contain records of all inspections performed for the last three years and each entry shall be signed by the person performing the inspection.

c. The permittee shall provide training for any personnel required to implement the BMP and shall retain documentation of such training at the facility. This documentation shall be available for inspection by representatives of the Department. Training shall be performed prior to the date that implementation of the BMP is required.

d. BMP Plan Modification. The permittee shall amend the BMP plan whenever there is a change in the facility or change in operation of the facility which materially increases the potential for the ancillary activities to result in a discharge of significant amounts of pollutants.

e. BMP Plan Review. The permittee shall complete a review and evaluation of the BMP plan at least once every three years from the date of preparation of the BMP plan. Documentation of the BMP Plan review and evaluation shall be signed and dated by the Plant Manager.

B. STORMWATER FLOW MEASUREMENT AND SAMPLING REQUIREMENTS

1. Stormwater Flow Measurement

a. All stormwater samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches.

b. The total volume of stormwater discharged for the event must be monitored, including the date and duration (in hours) and rainfall (in inches) for storm event(s) sampled. The duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event must be a minimum of 72 hours. This information must be recorded as part of the sampling procedure and records retained according to Part I.B. of this permit.

c. The volume may be measured using flow measuring devices, or estimated based on a modification of the Rational Method using total depth of rainfall, the size of the drainage area serving a stormwater outfall, and an estimate of the runoff coefficient of the drainage area. This information must be recorded as part of the sampling procedure and records retained according to Part I.B. of this permit.

2. Stormwater Sampling

   a. A grab sample, if required by this permit, shall be taken during the first thirty minutes of the discharge (or as soon thereafter as practicable); and a flow-weighted composite sample, if required by this permit, shall be taken for the entire event or for the first three hours of the event.

   b. All test procedures will be in accordance with part I.B. of this permit.

C. DISCHARGE INFORMATION ZONE (DIZ) REQUIREMENTS

1. The permittee shall, upon request for a permit renewal, perform a sediment and benthic community characterization utilizing the same sampling locations approved in the original DIZ study plan, unless a modified study plan is approved by the Department. The DIZ monitoring shall be repeated if the permittee fails accelerated testing and is required to initiate a Toxicity Reduction Evaluation (TRE) pursuant to Part IV.D of this permit.

2. Monitoring shall be conducted during the same season as the original characterization and shall conform to the DIZ study plan, unless otherwise approved by the Department. Monitoring results shall be submitted to the Department along with the application for permit renewal or with the discharge monitoring report form in the event that repeating monitoring is required.

3. The permittee shall not allow biological damage or adverse water quality impacts to occur at the perimeter or outside the boundaries of the original characterization. If the biological monitoring shows evidence of biological damager or adverse water quality impacts at the perimeter, or outside the boundaries of the original characterization, the permittee will be in violation of this permit, unless the permittee can demonstrate that the cause of adverse impacts are due to a source other than the permittee's discharge, and will be required within 30 days after becoming aware of the violation to submit a plan to correct an eliminate the biological damage and adverse water quality impacts caused by the discharge.

4. The Department may suspend or otherwise modify the DIZ monitoring requirements if:

   a. The Department determines, through review of the discharge information and/or its own monitoring efforts that the discharge is having no significant impact to coastal resources beyond 400 feet of the discharge point; or,

   b. The Department determines, through review of the discharge information and/or its own monitoring efforts, that the discharge monitoring is inadequate to detect significant impacts to coastal resources beyond 400 feet of the discharge point; or

   c. The Department determines, based on available biological and chemical data that, due to the nature of the discharge, no significant impacts to coastal resources will occur beyond 400 feet of the discharge point; or

   d. Deemed necessary by the Department to ensure protection of coastal resources.

D. EFFLUENT TOXICITY LIMITATIONS AND BIOMONITORING REQUIREMENTS

1. The permittee shall perform 48-hour acute toxicity tests on the wastewater discharges required to be tested for acute toxicity by Part I of this permit.

   a. Test Requirements

      (1) The samples shall be diluted, using an appropriate control water, to the Instream Waste Concentration (IWC) which is 4% effluent. The IWC is the actual concentration of effluent, after mixing, in the receiving stream during a 1-day, 10-year flow period.

      (2) Any test where survival in the effluent concentration is less than 90% and statistically lower than the control indicates acute toxicity and constitutes noncompliance with this permit.

   b. General Test Requirements:

      (1) A 24-hour composite sample shall be obtained for use in above biomonitoring tests. The holding time for each sample shall not exceed 36 hours. The control water shall be a water prepared in the laboratory in accordance with the EPA procedure described in EPA 821-R-02-012 or most current edition or another control water selected by the permittee and approved by the Department.

      Effluent toxicity tests in which the control survival is less than 90% or in which the other requirements of the EPA Test Procedure are not met shall be unacceptable and the permittee shall rerun the tests as soon as practical within the monitoring period.

      In the event of an invalid test, upon subsequent completion of a valid test, the results of all tests, valid and invalid, are reported with an explanation of the tests performed and results.

c. Reporting Requirements:

(1) The permittee shall notify the Department in writing within 48 hours after toxicity has been demonstrated by the scheduled test(s).

(2) Biomonitoring test results obtained during each monitoring period shall be summarized and reported using the appropriate Discharge Monitoring Report (DMR) form approved by the Department. In accordance with Section 2. of this part, an effluent toxicity report containing the information in Section 2. shall be included with the DMR. Two copies of the test results must be submitted to the Department no later than 28 days after the month in which the tests were performed.

d. Additional Testing Requirements:

(1) If acute toxicity is indicated (noncompliance with permit limit), the permittee shall perform four additional valid acute toxicity tests in accordance with these procedures to determine the extent and duration of the toxic condition. The toxicity tests shall be performed once per week and shall be performed during the first four calendar weeks following the date on which the permittee became aware of the permit noncompliance and the results of these tests shall be submitted no later than 28 days following the month in which the tests were performed.

(2) After evaluation of the results of the follow-up tests, the Department will determine if additional action is appropriate and may require additional testing and/or toxicity reduction measures. The permittee may be required to perform a Toxicity Identification Evaluation (TIE) and/or a Toxicity Reduction Evaluation (TRE). The TIE/TRE shall be performed in accordance with the most recent protocols/guidance outlined by EPA (e.g., EPA/600/2-88/062, EPA/600/R-92/080, EPA/600R-92/081, EPA/833/B-99/022 and/or EPA/600/6-91/005F, etc.).

e. Test Methods:

(1) The tests shall be performed in accordance with the latest edition of the "EPA Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms" and shall be performed using the fathead minnow (*Pimephales promelas*) and the cladoceran (*Ceriodaphnia dubia*).

2. Effluent toxicity testing reports

The following information shall be submitted with each discharge monitoring report unless otherwise directed by the Department. The Department may at any time suspend or reinstate this requirement or may increase or decrease the frequency of submittals.

a. Introduction

(1) Facility Name, location and county

(2) Permit number

(3) Toxicity testing requirements of permit

(4) Name of receiving water body

(5) Contract laboratory information (if tests are performed under contract)

(a) Name of firm

(b) Telephone number

(c) Address

(6) Objective of test

b. Plant Operations

(1) Discharge operating schedule (if other than continuous)

(2) Volume of discharge during sample collection to include Mean daily discharge on sample collection date (MGD, CFS, GPM)

(3) Design flow of treatment facility at time of sampling

c. Source of Effluent and Dilution Water

(1) Effluent samples

(a) Sampling point

(b) Sample collection dates and times (to include composite sample start and finish times)

(c) Sample collection method

(d) Physical and chemical data of undiluted effluent samples (water temperature, pH, alkalinity, hardness, specific conductance, total residual chlorine (if applicable), etc.)

(e) Sample temperature when received at the laboratory

(f) Lapsed time from sample collection to delivery

(g) Lapsed time from sample collection to test intiation

(2) Dilution Water Samples

(a) Source

(b) Collection date(s) and time(s) (where applicable)

(c) Pretreatment

(d) Physical and chemical characteristics (pH, hardness, water temperature, alkalinity, specific conductance, etc.)

d. Test Conditions

(1) Toxicity test method utilized

(2) End point(s) of test

(3) Deviations from referenced method, if any, and reason(s)

(4) Date and time test started

(5) Date and time test terminated

(6) Type and volume of test chambers

(7) Volume of solution per chamber

(8) Number of organisms per test chamber

(9) Number of replicate test chambers per treatment

(10) Test temperature, pH and dissolved oxygen as recommended by the method (to include ranges)

(11) Feeding frequency, and amount and type of food

(12) Light intensity (mean)

e. Test Organisms

(1) Scientific name

(2) Life stage and age

(3) Source

(4) Disease treatment (if applicable)

f. Quality Assurance

(1) Reference toxicant utilized and source

(2) Date and time of most recent acute reference toxicant test(s), raw data, and current cusum chart(s)

(3) Dilution water utilized in reference toxicant test

(4) Results of reference toxicant test(s) (LC50, etc.), report concentration-response relationship and evaluate test sensitivity. The most recent reference toxicant test shall be conducted within 30-days of the routine.

(5) Physical and chemical methods utilized

g. Results

(1) Provide raw toxicity data in tabular form, including daily records of affected organisms in each concentration (including controls) and replicate

(2) Provide table of endpoints: LC50, NOAEC, Pass/Fail (as required in the applicable NPDES permit)

(3) Indicate statistical methods used to calculate endpoints

(4) Provide all physical and chemical data required by method

(5) Results of test(s) (LC50, NOAEC, Pass/Fail, etc.), report concentration-response relationship **(definitive test only)**, report percent minimum significant difference (PMSD).

h. Conclusions and Recommendations

(1) Relationship between test endpoints and permit limits

(2) Action to be taken

1/ Adapted from "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms", Fifth Edition, October 2002 (EPA 821-R-02-012), Section 12, Report Preparation

E. STREAM MONITORING REQUIREMENTS

1. Between July 1 and September 30, stream monitoring requirements shall be performed on a monthly basis. Sampling shall be performed at the following locations:

   a. Approximately 2.6 miles below the Africatown-Cochran Bridge, midstream
   b. Approximately 1.6 miles below the Africatown-Cochran Bridge, midstream
   c. Approximately 0.6 miles below the Africatown-Cochran Bridge, midstream
   d. Approximately 0.2 miles below the Africatown-Cochran Bridge, midstream, one-quarter the width of the stream from the west bank and one-quarter the width of the stream from the east bank
   e. At the Kimberly Clark outfall
   f. Approximately 0.6 miles below the Spanish River, midstream. This location should be upstream of the process outfall.

2. At each location measurements shall be made at the five foot depth as a minimum for the following parameters:

   a. Dissolved oxygen,
   b. Temperature, both ambient and stream,
   c. Conductivity,
   d. and pH

3. Sample collection and analysis shall be performed in accordance with EPA approved sample collection protocol and analysis methods.

4. Stream monitoring results shall be submitted no later than 28 days after the end of the month during which the samples were collected.

5. This permit shall be modified or revoked and reissued in the event water quality is being contravened by the discharge or if the results of water quality model indicate that more restrictive limits are needed to protect water quality.

F. COOLING WATER INTAKE STRUCTURE (CWIS) REQUIREMENTS

1. The cooling water intake structure used by the permittee has been evaluated using available information. At this time, the Department has determined that the cooling water intake structure represents the best technology available (BTA) to minimize adverse environmental impact in accordance with Section 316(b) of the Federal Clean Water Act (33 U.S.C. section 1326).

2. The permittee shall submit the following information at least 180 days prior to expiration of the permit:

a. design intake flow of the CWIS

b. percentage of intake flow, based on highest monthly average in last 5 years, used for cooling purposes;

c. an estimate of the intake flow reduction at the facility based upon the use of a 100 percent (or some lesser percentage) closed-cycle re-circulating cooling water system compared to a conventional once-through cooling water system

d. through screen design intake flow velocity

e. any impingement and entrainment data that may have been collected based on the operation of the facility's CWIS, collected since the effective date of this NPDES permit

f. a detailed description of any changes in the operations of the CWIS, or changes in the type of technologies used at the CWIS such as screens or other technologies affecting the rates of impingement and/or entrainment of fish and shellfish

3. The permittee is required to operate and maintain the CWIS in a manner that minimizes impingement and entrainment levels. Documentation detailing the steps that have and are being taken to minimize the impingement and entrainment levels shall be maintained on site and made available upon request.

4. Nothing in this Permit authorizes take for the purposes of a facility compliance with the Endangered Species Act. Under the Endangered Species Act, take means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to engage in any such conduct, of endangered or threatened species.

ADEM PERMIT RATIONALE

PREPARED DATE: March 2, 2018
PREPARED BY: Alex Chavers

Permittee Name: Kimberly Clark Corp

Facility Name: Kimberly Clark Corp-Mobile

Permit Number: AL0002801

PERMIT IS REISSUANCE DUE TO EXPIRATION

DISCHARGE SERIAL NUMBERS & DESCRIPTIONS:

DSN001:	Process wastewaters associated with tissue and towel manufacturing operations, virgin fiber, waste cardboard, and wastewaters from permitted indirect dischargers, and storm water runoff
DSN002, DSN014-DSN020:	Storm water runoff from distribution/shipping warehouse drains and adjacent areas surrounding the buildings
DSN003-DSN005:	Storm water runoff from non-process areas associated with paper mill operations
DSN007, DSN012:	Non-contact cooling water and storm water runoff from non-process areas associated with paper mill operations
DSN008, DSN013:	Storm water runoff from non-process areas associated with biomass operations
DSN009, DSN010:	Storm water runoff from non-process areas associated with biomass operations, storage, and trailer parking

INDUSTRIAL CATEGORY: 40 CFR 465 – Subpart L: Tissue, Filter, Non-Woven, and Paperboard From Purchased Pulp Subcategory
40 CFR 465 – Subpart J: Secondary Fiber Non-Deink Subcategory
40 CFR 465 – Subpart I: Secondary Fiber Deink Subcatgory

MAJOR: Y

STREAM INFORMATION:

Receiving Stream:	Mobile River (DSN001) – Limited Warmwater Fishery
	Chickasaw Creek (DSN003-005, DSN007-013) – Limited Warmwater Fishery
	Threemile Creek (DSN015-DSN020) – Agricultural and Industrial Water Supply
River Basin:	Mobile River Basin
7Q10:	4000 CFS*
7Q2:	3000 CFS*
1Q10:	6000 CFS*
Annual Average Flow:	0.0 CFS*
303(d) List:	YES
Impairment:	Mercury (Mobile River), OE/DO (Threemile Creek)
TMDL:	NO

*The flows for the outfall location are considered zero as the standard for discharges in the coastal areas.

DISCUSSION:
The Kimberly Clark Mobile facility is comprised of Kimberly Clark Corporation, Mobile Energy Services Company (MESC), and the former S.D. Warren (SAPPI) site. Kimberly Clark owns and operates a five machine tissue, towel, and napkin manufacturing facility. Other operating areas include the Old Corrugated Container (OCC) recycle fiber facility, alternative fiber facility, white office paper recycle fiber facility (RF), Water Filtering Facility (WFP), and Wastewater Treatment Plant (WWTP). MESC utilizes biomass natural gas and Residual Short Fiber (RSF) for the generation of steam-power and is regulated under SID Permit (IU414900582) for discharge to Kimberly Clark's WWTP.

ADEM Administrative Rule 335-6-10-.12 requires applicants to new or expanded discharges to Tier II waters demonstrate that the proposed discharge is necessary for important economic or social development in the area in which the waters are located. The application submitted by the facility is not for a discharge to a Tier II water body. Therefore, anti-degradation requirements do not apply

014S-020S:

Parameter	Monthly Avg Loading	Daily Max Loading	Daily Min Concentration	Monthly Avg Concentration	Daily Max Concentration	Sample Frequency	Sample Type	Basis*
pH	-	-	REPORT S.U.	-	REPORT S.U.	Semi-Annually	Grab	BPJ
Solids, Total Suspended	-	-	-	-	REPORT mg/l	Semi-Annually	Grab	BPJ
Oil & Grease	-	-	-	-	15 mg/l	Semi-Annually	Grab	BPJ
Nitrogen, Ammonia Total (As N)	-	-	-	-	REPORT mg/l	Semi-Annually	Grab	BPJ
Nitrogen, Nitrate Total (As N)	-	-	-	-	REPORT mg/l	Semi-Annually	Grab	BPJ
Phosphorus, Total (As P)	-	-	-	-	REPORT mg/l	Semi-Annually	Grab	BPJ
Flow, In Conduit or Thru Treatment Plant	-	REPORT MGD	-	-	-	Semi-Annually	Estimate	BPJ

002S, 003S-005S, 008S, 013S, 009S, 010S:

Parameter	Monthly Avg Loading	Daily Max Loading	Daily Min Concentration	Monthly Avg Concentration	Daily Max Concentration	Sample Frequency	Sample Type	Basis*
pH	-	-	REPORT S.U.	-	REPORT S.U.	Semi-Annually	Grab	BPJ
Solids, Total Suspended	-	-	-	-	REPORT mg/l	Semi-Annually	Grab	BPJ
Oil & Grease	-	-	-	-	15 mg/l	Semi-Annually	Grab	BPJ
Flow, In Conduit or Thru Treatment Plant	-	REPORT MGD	-	-	-	Semi-Annually	Estimate	BPJ
Chemical Oxygen Demand	-	-	-	-	REPORT mg/l	Semi-Annually	Grab	BPJ

007S, 012S:

Parameter	Monthly Avg Loading	Daily Max Loading	Daily Min Concentration	Monthly Avg Concentration	Daily Max Concentration	Sample Frequency	Sample Type	Basis*
pH	-	-	REPORT S.U.	-	REPORT S.U.	Semi-	Grab	BPJ

						Annually		
Solids, Total Suspended	-	-	-	-	REPORT mg/l	Semi-Annually	Grab	BPJ
Oil & Grease	-	-	-	-	15 mg/l	Semi-Annually	Grab	BPJ
Flow, In Conduit or Thru Treatment Plant	-	REPORT MGD	-	-	-	Semi-Annually	Calculated	BPJ
Chemical Oxygen Demand (COD)	-	-	-	-	REPORT mg/l	Semi-Annually	Grab	BPJ

0121:

Parameter	Monthly Avg Loading	Daily Max Loading	Daily Min Concentration	Monthly Avg Concentration	Daily Max Concentration	Sample Frequency	Sample Type	Basis*
Temperature, Water Deg. Fahrenheit	-	-	-	-	95 F	Monthly	Grab	WQBEL
Chlorine, Total Residual	-	REPORT lbs/day	-	-	-	Monthly	Grab	BPJ
Flow, In Conduit or Thru Treatment Plant	-	REPORT MGD	-	-	-	Monthly	Estimate	BPJ

0071:

Parameter	Monthly Avg Loading	Daily Max Loading	Daily Min Concentration	Monthly Avg Concentration	Daily Max Concentration	Sample Frequency	Sample Type	Basis*
Temperature, Water Deg. Fahrenheit	-	-	-	-	95 F	Monthly	Grab	WQBEL
Chlorine, Total Residual	-	1.5 lbs/day	-	-	-	Monthly	Grab	WQBEL
Chlorine, Total Residual	-	REPORT lbs/day	-	-	-	Monthly	Grab	BPJ
Flow, In Conduit or Thru Treatment Plant	-	REPORT MGD	-	-	-	Monthly	Estimate	BPJ

001Y:

Parameter	Monthly Avg Loading	Daily Max Loading	Daily Min Concentration	Monthly Avg Concentration	Daily Max Concentration	Sample Frequency	Sample Type	Basis*
Pentachlorophenol	-	2.45 lbs/day	-	-	-	Annually	Composite	EGL
Trichlorophenol	-	6.11 lbs/day	-	-	-	Annually	Composite	EGL

0011:

Parameter	Monthly Avg Loading	Daily Max Loading	Daily Min Concentration	Monthly Avg Concentration	Daily Max Concentration	Sample Frequency	Sample Type	Basis*
BOD, 5-Day (20 Deg. C)	12788 lbs/day	23392 lbs/day	-	-	-	Week Days	Composite	EGL
pH	-	-	5.0 S.U.	-	9.0 S.U.	Week Days	Grab	EGL
Solids, Total Suspended	12384 lbs/day	24851 lbs/day	-	-	-	Week Days	Composite	EGL
Nitrogen, Ammonia Total (As N)	-	-	-	-	REPORT mg/L	Monthly	Grab	BPJ
Nitrogen, Kjeldahl Total (As N)	-	-	-	-	REPORT mg/L	Monthly	Grab	BPJ
Nitrite Plus Nitrate Total 1 Det. (As N)	-	-	-	-	REPORT mg/L	Monthly	Grab	BPJ
Phosphorus, Total (As P)	-	-	-	-	REPORT mg/L	Monthly	Grab	BPJ
Flow, In Conduit or Thru Treatment Plant	REPORT MGD	REPORT MGD	-	-	-	Daily	Totalizer	BPJ

001T:

Parameter	Monthly Avg Loading	Daily Max Loading	Daily Min Concentration	Monthly Avg Concentration	Daily Max Concentration	Sample Frequency	Sample Type	Basis*
Toxicity, Ceriodaphnia Acute	-	0 pass(0)/fail(1)	-	-	-	Annually	Composite	
Toxicity, Pimephales Acute	-	0 pass(0)/fail(1)	-	-	-	Annually	Composite	

*Basis for Permit Limitation

- BPJ – Best Professional Judgment
- WQBEL – Water Quality Based Effluent Limits
- EGL – Federal Effluent Guideline Limitations
- 303(d) – 303(d) List of Impaired Waters
- TMDL – Total Maximum Daily Load Requirements

DSN001

DSN001 is the primary outfall for the facility, discharging process and non-process waste waters associated with tissue and towel manufacturing operations as well as waste waters from the permitted indirect discharge (from MESC), and storm water runoff.

Discharges through this outfall are regulated under 40 CFR 430 – Pulp and Paper Point Source Category under Subpart L (40 CFR 430.11) and Subpart J (40 CFR 430.105). Effluent guideline limitation calculations can be found in Attachment A.

Best Professional Judgment

Flow

Flow monitoring is continued and should be reported as totalized daily flow.

Nutrients

Nutrient monitoring is proposed to be continued during this permit issuance; however, the monitoring frequency will be reduced from once per month during the calendar year to *once per month during the growing season (April to October)*. This requirement is similar across similar facilities in the state and should provide adequate information for the Department's use in develop future limitations, if necessary.

Effluent Guideline Limitations

The facility is regulated under 40 CFR 430 Subparts I, J, and L. A summary of the effluent guideline limitations can be seen in Attachment A to this rationale.

pH

ADEM Administrative Code, Division 6 Regulations, specifically 335-6-10-.09(6)(a) states that the provisions of the Fish and Wildlife water use classification at Rule 335-6-10-.09(5) shall apply to the Limited Warmwater Fishery water use classification. Specifically, 335-6-10-.09(e)2 states: "Sewage, industrial waste or other wastes shall not cause the pH to deviate more than one unit from then normal or natural pH, nor be less than 6.0, nor greater than 8.5 standard units." The current permit limitations are between 5.0 and 9.0 S.U. as indicated in the effluent guidelines. The discharge from the facility is not expected to have a significant effect on the pH of the receiving stream; therefore, these limitations are proposed to be continued in this permit issuance.

Biochemical Oxygen Demand (5-Day), Total Suspended Solids

Limitations for these parameters were determined from the applicable 40 CFR subparts listed above using a reasonable measure of production, which is the highest production month of the previous year or the highest monthly average of the last 5 years, whichever is greater.

The effluent guideline limitations are higher than the current permit limits. A review of the historical data shows that the facility is able to consistently meet the current limitations; therefore, these limitations are proposed to be continued in this permit issuance.

Pentachlorophenol, Trichlorophenol

These parameters are regulated under the 40 CFR Subparts Listed above. The previous permit did not include the limitations and instead included a prohibition on the process addition of materials containing these compounds and the requirement to submit a certification of non-use. For this permit issuance, it is proposed to include the limitations; however, the facility can continue to submit a certification of non-use in lieu of monitoring. The certification should be submitted annually by January 28.

Water Quality Based Effluent Limitations

A water quality model for the Mobile Bay watershed is currently being evaluated by the Department. Based on the results of this model, the Department may choose to reopen the permit in the future to modify the limitations.

Toxicity

Whole effluent toxicity testing will continue to be required annually to test for the potential synergistic effects of the discharge. Based on the stream classification of Limited Warmwater Fishery and a dilution greater than 100:1, acute toxicity monitoring will be required. Testing is being required for salt water species since the receiving stream is tidally influenced and these species can be more sensitive to toxicants. A CORMIX mixing zone analysis performed by the Department determined the IWC to be 3.8%; therefore toxicity testing will be required using an IWC of 4%.

River Monitoring Requirements

River monitoring will be continued in this permit issuance to continue to provide information to the Department to aid in the development of water quality models for the receiving stream. Monthly monitoring is required from July 1 to September 30. Detailed requirements can be found in Part IV of the Permit.

316(b) Cooling Water Intake Structure Requirements

Section 316(b) of the Clean Water Act requires that facilities minimize adverse environmental impacts resulting from the operation of cooling water intake structures (CWIS) by using the "best technology available" (BTA). U.S. EPA has promulgated rules to implement these requirements under Phase I, Phase II, and Phase III of the rules; however, many facilities that operate intake structures do not fall into these categories and are classified as miscellaneous facilities. For these miscellaneous facilities, a BTA determination must be made using BPJ.

The facility buys its raw water from the Mobile Area Water and Sewer System (MAWSS), which operates two intake structures, one on Big Creek Lake with a 70 MGD average intake and 200 MGD design intake and another infrequently used intake on the Mobile River with a design intake of 33 MGD.

The flow of the Big Creek Lake is greater than 50 MGD, at least two criteria must be met in order to make a BTA compliance determination using BPJ. The intake meets the following criteria: the intake design flow velocity is below 0.5 ft/s and the facility uses less than 25 percent of the intake flow exclusively for cooling purposes.

The Mobile River Intake flow is less than 33 MGD; therefore, only one criteria must be met in order to make a BTA compliance determination using BPJ. The intake meets the following criteria: the facility uses less than 25 percent of the intake flow exclusively for cooling purposes and the design intake flow is less than 5 percent of the mean annual flow of the stream.

The requirements that facilities must comply with are listed below:

1. The permittee shall submit the following information at least 180 days prior to expiration of this permit:

    - design in-take flow of the CWIS;
    - percentage of in-take flow, based on highest monthly average in last 5 years, used for cooling purposes;
    - an estimate of the in-take flow reduction at the facility based upon the use of a 100 percent (or some lesser percentage) closed-cycle re-circulating cooling water system compared to a conventional once-through cooling water system;
    - through screen design in-take flow velocity;
    - any impingement and entrainment data that may have been collected based on the operation of the facility's CWIS, collected since the effective date of this NPDES permit; and,
    - a detailed description of any changes in the operation of the CWIS, or changes in the type of technologies used at the CWIS such as screens or other technologies affecting the rates of impingement and/or entrainment of fish and shellfish.

2. The permittee is required to operate and maintain the CWIS in a manner that minimizes impingement and entrainment levels. Typical activities that may satisfy this requirement include but are not limited to:
    - Routine inspection, maintenance, and replacement prior to the end of the useful service life of mechanical equipment associated with the CWIS;
    - Underwater inspection of critical components required to maintain functionality and biological effectiveness; or
    - Velocity monitoring and maintaining or achieving an intake velocity of less than 0.5 ft/s.

Discharge Information Zone (DIZ) Monitoring Requirements

DIZ Monitoring requirements apply at permit renewal and shall be conducted within the same season as the original characterization utilizing the same sampling locations approved in the original DIZ Study Plan. If the biological monitoring shows evidence of biological damage or adverse water quality impacts at the perimeter, or outside the boundaries of the original characterization, the permittee will be in violation of the permit, unless the permittee can demonstrate that the cause of the adverse impacts are due to a source other than the permittee's discharge. The permittee will be required within 30 days after becoming aware of the violation to submit a plan to correct and eliminate the biological damage and adverse water quality impacts caused by the discharge. Results of the DIZ study submitted with this permit application were reviewed by the ADEM Field Operations Division. The review concluded that Kimberly Clark's discharge is not negatively impacting the discharge area.

DSN002[1], DSN003-005: Storm water runoff from non-process areas associated with paper mill operations

DSN007, DSN012: Non-contact cooling water and storm water from non-process areas associated with paper mill operations

DSN008, DSN013 (DSN008 is representative): Storm water runoff from non-process areas associated with paper mill operations

DSN009 and DSN010: Storm water runoff from non-process areas associated with storage and trailer parking

DSN014-DSN020 (DSN019 is representative): Storm water runoff from distribution/shipping warehouse roof drains and adjacent areas surrounding the buildings

pH, Total Suspended Solids, Oil & Grease, Chemical Oxygen Demand (COD)

Monitoring for these parameters on a semi-annual basis will be continued in this permit issuance. A daily maximum limitation of 15 mg/L for Oil & Grease will also be continued to prevent sheen on the surface of the receiving water.

Total Phosphorus, Ammonia as Nitrogen, Nitrites plus Nitrates as Nitrogen

Monitoring for these parameters will be continued on a semi-annual basis at DSN014-DSN020.

Total Residual Chlorine, Temperature

Due to the non-contact cooling water discharged at DSN007 and DSN012, Total Residual Chlorine and Temperature will be limited when discharges are occurring in the absence of a qualifying storm event. Monitoring will be required *monthly*.

The Total Residual Chlorine limitations of 1.5 lbs/day is applied as a cumulative total for both DSN007 and DSN012 and should be reported on the DMR for DSN007. The individual contributions should be reported on the appropriate DMR. This limit is based off a portion of the previously calculated loading in the receiving stream using a 7Q10 of 25 MGD. The Department now assigns this stream segment a 7Q10 of zero due to its coastal classification; however, based on the results submitted by the facility, the loadings are not expected to have an adverse effect on water quality in the receiving stream.

Flow

Flow is required to be estimated for each stormwater sampling event. In addition, an estimated or calculated flow should is proposed to be reported on the monthly reports for DSN007 and DSN012 to provide the Department with the

The individual contributions are also reported on the monthly reports. The temperature limitation of 95°F will also be continued.

1) The facility requested to include DSN002 in this permit issuance due to the materials handling, storage operations, and increased truck traffic in the drainage area.

2) The facility requested to remove DSN011 from the stormwater monitoring requirements in the permit. An inspection performed by the Department on August 28, 2015 confirmed that the area has no exposure to industrial activity; therefore DSN011 is being removed from this permit issuance.

303(d) List of Impaired Waters

Two of the receiving streams are listed on the 2016 303(d) List of Impaired Waters. The Mobile River is impaired for Mercury and Threemile Creek is impaired for Organic Enrichment/Dissolved Oxygen.

Mercury

Due to the nature of the operations at the facility, Mercury is not expected to be present in the discharge in any significant amounts that would have an impact on the impairment in the Mobile River; therefore, no monitoring is included in this permit issuance.

Organic Enrichment/Dissolved Oxygen

The outfalls discharging to Threemile Creek consist of stormwater only. Stormwater discharging through these points is not expected to contain pollutants in amounts that would contribute to the impairment in the receiving stream.

Chavers, Alexander

From: Rigdon, Justin B
Sent: Thursday, March 01, 2018 3:10 PM
To: Chavers, Alexander
Subject: RE: Flow Request

Based on DMR data provided by the facility it does not appear that residual chlorine from these stormwater outfalls will cause any sort of a problem or violation of water quality criteria in the receiving stream.

Justin Rigdon
Water Quality Branch -Technical Support Section
Alabama Department of Environmental Management
1400 Coliseum Boulevard
Montgomery, AL 36110-2059
(334) 274-4160
adem.alabama.gov
jbrigdon@adem.state.al.us

ADEM

From: Chavers, Alexander
Sent: Thursday, March 01, 2018 8:50 AM
To: Rigdon, Justin B <jbrigdon@adem.alabama.gov>
Subject: RE: Flow Request

Thanks for that response. Would it be possible to provide me a with a short memo or email from you or Kimberly stating that chlorine discharged from the cooling tower blowdowns is not expected to cause a water quality problem in Chickasaw Creek?

The current allowable loading is a cumulative 1.5 lbs/day between the two outfalls.

Alexander Chavers
Water Division
334-271-7851

ADEM
Alabama Department of Environmental Management

From: Rigdon, Justin B
Sent: Thursday, March 01, 2018 8:42 AM
To: Chavers, Alexander <adchavers@adem.alabama.gov>
Subject: RE: Flow Request

Alex,

As we discussed, I think the old rationale confused Hwy 43 with Hwy 45. The Hwy 45 crossing of Threemile creek is about 2.5 miles from the facility as the crow flies. However, Hwy 43 turns off and dead ends before the creek. It's Mobile County 13/Telegraph Rd that continues onward. If that is the correct location, then the flow there is zero.

As we also discussed, the flows for Chickasaw Creek at the plant are zero.

Justin Rigdon
Water Quality Branch -Technical Support Section
Alabama Department of Environmental Management
1400 Coliseum Boulevard
Montgomery, AL 36110-2059
(334) 274-4160
adem.alabama.gov
jbrigdon@adem.state.al.us

ADEM

From: Chavers, Alexander
Sent: Thursday, March 01, 2018 7:46 AM
To: Rigdon, Justin B <jbrigdon@adem.alabama.gov>
Subject: Flow Request

Justin,

Thanks for the 316(b) flow information. I have worked up a justification that should be acceptable.

The last thing I need to wrap up this permit are the 7Q10 flows for the other receiving streams (Chickasaw Creek @ Hwy 43 and Threemile Creek @ Hwy 45) as well as the use classification of these segments.

If you can provide me with this information, I would really appreciate it and I should be able to get this permit draft finalized. Thanks!

Alexander Chavers
Water Division
334-271-7851
ADEM
Alabama Department of Environmental Management

DSN001: Cluster Rule Calculations - 2017 Application

40 CFR 430 - Pulp and Paper Production Point Source Category

Subpart J - Secondary Fiber Non-Deink Subcategory
40 CFR Part 430.105 - New Source Performance Standards (NSPS)

Tissue/Towel from Waste (RF) Production	530,765	lbs/day
Tissue/Towel from Waste (OCC) Production	282,098	lbs/day
Tissue/Towel from Waste (Alt. Fiber) Production	2,205	lbs/day
Total Subpart J Production	815,068	lbs/day
	407.5	tons/day

40 CFR 430.105(d) - NSPS for secondary fiber non-deink facilities where tissue from wastepaper is produced without deinking

Pollutant	Continuous Discharges		Cluster Limitations	
	Daily Maximum (lbs/1000 lbs product)	*Monthly Average (lbs/1000 lbs product)*	*Daily Maximum (lbs/day)*	*Monthly Average (lbs/day)*
BOD_5	4.6	2.5	3749	2038
TSS	10.20	S.3	8314	4320
Pentachlorphenol*	0.003	-	2.45	-
Trichlorophenol*	0.001	-	0.90	-

*These limitations do not apply if the facility submits a certification of non-use at the frequency indicated in Part I.A of the permit

Subpart L - Tissue, Filter, Non-Woven, and Paperboard From Purchased Subcategory
40 CFR Part 430.122 - Best Practicable Technology (BPT)=Best Conventional Technology (BCT)

Non-Integrated Tissue Production	1861660	lbs/day
	930.8	tons/day

40 CFR 430.122(a) - BPT effluent limitations for non-integrated mills where tissue papers are produced from purchased pulp

Pollutant	Continuous Discharges		Cluster Limitations	
	Daily Maximum (lbs/1000 lbs product)	*Monthly Average (lbs/1000 lbs product)*	*Daily Maximum (lbs/day)*	*Monthly Average (lbs/day)*
BOD_5	11.4	6.2S	21223	11635
TSS	10.25	5	19082	9308
40 CFR 430.124(a) - BAT effluent limitations for non-integrated mills where tissue papers are produced from purchased pulp				
Pentachlorphenol*	0.0028	-	5.21	-
Trichlorophenol*	0.001	-	1.79	-

(lbs/day)

*These limitations do not apply if the facility submits a certification of non-use at the frequency indicated in Part I.A of the permit

	2017 Issuance		Current Permit Limits				Final Limits	
Parameter	*Monthly Average*	*Daily Maximum*	*Monthly Average*	*Basis*	*Daily Maximum*	*Basis*	*Monthly Average*	*Daily Maximum*
BOD5	13673	24972	12789	2010 Production-Based EGL	23392	2010 Production-Based EGL	12789	23392
TSS	13628	27396	12389	2007 Production-Based EGL	24851	2010 Production-Based EGL	12389	24851
Pentachlorophenol	-	2.45	-		-		-	2.45
Trichlorophenol	-	6.11	-		-		-	6.11

Mixing Zone Analysis Summary

General Information

Comments included: ☑ Yes ☐ No

Year File Was Started: 1993

Information Verified By: CPR

Date of MZ Response: 5/17/2005

Name of Receiving Stream: Mobile River

Previous file name: Or-AKA (If applicable)

Facility Name: Kimberly Clark Tissue Co

Previous Name of Discharger: Scott Paper Or-AKA (If applicable)

11 Digit HUC Code USGS: 03160204030

Other Point Sources? ☐ Yes ☑ No

12 Digit HUC Code: 031602040303

Sources Included in the Model:

River Basin: Mobile

County: Mobile

Use Classification: LWF

Permit Information

Discharge Latitude: 30.74611

Discharge Longitude: -88.04056

Site Visit Completed? ☐ Yes ☑ No

Date of Site Visit:

Print Record

Close Form

Type of Discharger
- ☐ Municipal
- ☑ Industrial
- ☐ Semipublic/Private

Permit Number: AL0002801

Permit Status: Active

Hydrology

			Method Used to Calculate
Drainage Area		sq mi	
Stream 7Q10	4000	cfs	USGS Estimate
Stream 1Q10	3000	cfs	USGS Estimate
Stream 7Q2	6000	cfs	USGS Estimate

Date of MZ Analysis: 5/17/2005

Model Completed by: Charlie Reynolds

Discharge Design Flow: 20.28 MGD

Seasonal? ☐ Yes ☑ No

If not seasonal, only the summer sections will be used

Pollutant Category

Whole Effluent Toxicity (WET) ☑ Thermal ☐ Pathogens ☐

Mixing Zone Analysis Summary - Page 2

WET Parameters

Summer

Acute

Ambient Streamflow		cfs
ZID Length		Meters
ZID IWC		%

Chronic

Ambient Streamflow	6000	cfs
Mixing Zone Length		Meters
Mixing Zone IWC	3.8	%

Winter

Acute

Ambient Streamflow		cfs
ZID Length		Meters
ZID IWC		%

Chronic

Ambient Streamflow		cfs
Mixing Zone Length		Meters
Mixing Zone IWC		%

Thermal Parameters

Summer

Ambient Streamflow		cfs
Mixing Zone Length		Meters
Max. Effluent Temp		°C

Winter

Ambient Streamflow		cfs
Mixing Zone Length		Meters
Max. Effluent Temp		°C

Pathogen Parameters

Summer

Ambient Streamflow		cfs
ZID Length		Meters
Max. Effluent Fecal Conc		Cols/100 mls
Max. Effluent Enterococci Conc (for coastal waters)		Cols/100 mls

Winter

Ambient Streamflow		cfs
ZID Length		Meters
Max. Effluent Fecal Conc		Cols/100 mls
Max. Effluent Enterococci Conc (for coastal waters)		Cols/100 mls

Comments and/or Notations

This is a revised analysis for a permit reissuance for Kimberly Clark.

If comments are made, check the "yes" box at the top of page one.

Last Revision: 8/30/06

ADEM

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
POST OFFICE BOX 301463 36130-1463 • 1400 COLISEUM BLVD. 36110-2059
MONTGOMERY, ALABAMA
WWW.ADEM.STATE.AL.US
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ONIS "TREY" GLENN, III, P.E.
DIRECTOR

BOB RILEY
GOVERNOR

Facsimiles: (334)
Administration: 271-7950
General Counsel: 394-4332
Communication: 394-4383
Air: 279-3044
Land: 279-3050
Water: 279-3051
Groundwater: 270-5631
Field Operations: 272-8131
Laboratory: 277-6718
Mining: 394-4326

May 17, 2005

MEMORANDUM

To: Scott Story
Industrial Section

From: Charles Reynolds
Water Quality Section

Subject: Kimberly Clark (KC) Diffuser Analysis

As per your recent request, a diffuser analysis has been performed for the subject discharger. The receiving waterbody is the Mobile River at latitude 30°44'46" and longitude 88°02'26". This part of the river has a current use classification of Limited Warmwater Fishery (LWF). Wasteflow for the KC facility was received from you as 20.28 mgd.

Travel time from the KC outfall to the mouth of the Mobile River is well in excess of 24 hours under $7Q_{10}$ conditions. Hence, the applicable methodology is that for LWF waterbodies. The LWF mixing zone methodology employs the use of chronic toxicity in conjunction with the the $7Q_2$ stream flow. Chronic toxicity requires use of the distance applicable to the mixing zone. Mixing zone distance for coastal situations is taken to be equal to the Discharge Information Zone of 400 feet.

A series of ambient flows were evaluated from 4,000 to 40,000 cfs in CORMIX2. The results were employed to derive a linear regression equation relating instream waste concentration (IWC) percent to ambient flow. Attached is a plot of the regression analysis along with the predicting equation. For a $7Q_2$ flow of 6,000 cfs, a mixing zone IWC value of 3.8% was predicted.

CPR/cpr

Attachment

Birmingham Branch
110 Vulcan Road
Birmingham, Alabama 35209-4702
(205) 942-6168
(205) 941-1603 [Fax]

Decatur Branch
2715 Sandlin Road, S.W.
Decatur, Alabama 35603-1333
(256) 353-1713
(256) 340-9359 [Fax]

Mobile Branch
2204 Perimeter Road
Mobile, Alabama 36615-1131
(251) 450-3400
(251) 479-2593 [Fax]

Mobile – Coastal
4171 Commanders Drive
Mobile, Alabama 36615-1421
(251) 432-6533
(251) 432-6598 [Fax]

OK

Mixing Zone (MZ) Analysis Rationale
Kimberly Clark/Mobile River

Not much time right now, so I'll get right to it:

Several days ago, Scott Story of the Industrial Section approached me about a revised mixing zone analysis for the subject discharger as a part of its permit reissuance. Two conditions have changed since the last analysis was performed in 2000. The use classification of the Mobile River has been upgraded from A&I to LWF and the average wasteflow has decreased from 39.7 to 20.28 mgd.

To be consistent with previous MZ methodology for this discharger, CORMIX2 simulations were performed for ambient flows from 4,000 to 40,000 cfs. A linear regression was performed on the simulations that predicted an MU8 flow class (once again, to be consistent with previous work).

LWF waterbodies require use of the $7Q_2$ stream flow in conjunction with chronic toxicity. Chronic toxicity requires use of the MZ length (as opposed to the ZID length). MZ length for coastal waterbodies is normally taken to be the Discharge Information Zone (DIZ) value of 400 ft (122 meters). The $7Q_2$ of the river at this location is assumed to be 6,000 cfs. The regression equation predicted an IWC value of 3.82% for a streamflow value of 6,000 cfs. It was reported to Scott as 3.8%.

The latest version of CORMIX (Version 4.3GT) was employed in the evaluation.

CPR
5/17/05 CPR

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
PERMIT APPLICATION SUPPLEMENTARY INFORMATION

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
WATER DIVISION – INDUSTRIAL / MINING PERMIT SECTION
POST OFFICE BOX 301463
MONTGOMERY, ALABAMA 36130-1463

INSTRUCTIONS: APPLICATIONS SHOULD BE TYPED OR PRINTED IN INK AND SUBMITTED TO THE DEPARTMENT IN DUPLICATE. IF INSUFFICIENT SPACE IS AVAILABLE TO ADDRESS ANY ITEM, PLEASE CONTINUE ON AN ATTACHED SHEET OF PAPER. PLEASE MARK N/A IN THE APPROPRIATE BOX WHEN AN ITEM IS NON-APPLICABLE TO THE APPLICANT.

PURPOSE OF THIS APPLICATION

- ☐ INITIAL PERMIT APPLICATION FOR NEW FACILITY
- ☐ INITIAL PERMIT APPLICATION FOR EXISTING FACILITY
- ☐ MODIFICATION OF EXISTING PERMIT
- ☑ REISSUANCE OF EXISTING PERMIT
- ☐ REVOCATION & REISSUANCE OF EXISTING PERMIT

1. Facility Name: Kimberly-Clark Corporation - Mobile Mill

   a. Operator Name: Kimberly Clark Corporation

   b. Is the operator identified in 1.a., the owner of the facility? Yes ☑ No ☐
   If no, provide the name and address of the operator and submit information indicating the operator's scope of responsibility for the facility.

2. NPDES Permit Number AL 0 0 0 2 8 0 1

3. SID Permit Number (if applicable): IU ___ ___ - ___ ___ - ___ ___ ___ ___ ___

4. NPDES General Permit Number (if applicable) ALG ___ ___ ___ ___ ___ ___ ___

5. Facility Physical Location: (Attach a map with location marked; street, route no. or other specific identifier)

   Street: 200 Bay Bridge Road

   City: Mobile County: Mobile State: Alabama Zip: 36610

   Facility (Front Gate) Latitude: 30 44' 02.58" N Longitude: 88 02' 57.89" W

6. Facility Mailing Address (Street or Post Office Box): 200 Bay Bridge Road

   City: Mobile State: Alabama Zip: 36610

7. Responsible Official (as described on page 13 of this application):

Name and Title: Todd Visscher, Mobile Facility Manager

Address: 200 Bay Bridge Road

City: Mobile State: Alabama Zip: 36610

Phone Number: 251-330-3000

EMAIL Address: _____

8. Designated Facility Contact:

Name and Title: LeeAnne Strickland, Environmental Coordinator

Phone Number: 251-330-2464

EMAIL Address: LeeAnne.Strickland@kcc.com

9. Designated Discharge Monitoring Report Contact:

Name and Title: LeeAnne Strickland, Environmental Coordinator

Phone Number: 251-330-2464

EMAIL Address: LeeAnne.Strickland@kcc.com

10. Type of Business Entity:

☑ Corporation ☐ General Partnership ☐ Limited Partnership

☐ Sole Proprietorship ☐ Other (Please Specify) _____

11. Complete this section if the Applicant's business entity is a Corporation

a) Location of Incorporation:

Address: State of Delaware

City: _____ County: _____ State: _____ Zip: _____

b) Parent Corporation of Applicant:

Name: Kimberly-Clark Corporation

Address: 351 Phelps Drive

City: Irvington State: Texas Zip: 75038

c) Subsidiary Corporation(s) of Applicant:

Name: N/A

Address: _____

City: _____ State: _____ Zip: _____

d) Corporate Officers:

Name: Thomas J. Falk

Address: 351 Phelps Drive

City: Irvington State: Texas Zip: 75038

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

e) Agent designated by the corporation for purposes of service:

Name: CT Corporation

Address: 90 Commerce Street

City: Montgomery State: Alabama Zip: 36104

12. If the Applicant's business entity is a Partnership, please list the general partners.

Name: N/A

Address: _____

City: _____ State: _____ Zip: _____

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

13. If the Applicant's business entity is a Proprietorship, please enter the proprietor's information.

Name: N/A

Address: _____

City: _____ State: _____ Zip: _____

14. Permit numbers for Applicant's previously issued NPDES Permits and identification of any other State of Alabama Environmental Permits presently held by the Applicant, its parent corporation, or subsidiary corporations within the State of Alabama:

Permit Name	Permit Number	Held By
NPDES	AL0002801	Kimberly-Clark Corporation
Hazardous Waste Generator ID	ALD008149858	Kimberly-Clark Corporation
Title V Major Source Operating Permit	Facility ID 503-2012	Kimberly-Clark Corporation

15. Identify all Administrative Complaints, Notices of Violation, Directives, Administrative Orders, or Litigation concerning water pollution, if any, against the Applicant, its parent corporation or subsidiary corporations within the State of Alabama within the past five years (attach additional sheets if necessary):

Facility Name	Permit Number	Type of Action	Date of Action
None			

SECTION B – BUSINESS ACTIVITY

1. Indicate applicable Standard Industrial Classification (SIC) Codes for all processes (If more than one applies, list in order of importance:

a. 2621 Paper Mill

b. 2676 Sanitary Paper Products

c. 4941 Water Treatment

d. _____

e. _____

2. If your facility conducts or will be conducting any of the processes listed below (regardless of whether they generate wastewater, waste sludge, or hazardous waste), place a check beside the category of business activity (check all that apply):

Industrial Categories

[ ]	Aluminum Forming	[ ]	Metal Molding and Casting
[ ]	Asbestos Manufacturing	[ ]	Metal Products
[ ]	Battery Manufacturing	[ ]	Nonferrous Metals Forming
[ ]	Can Making	[ ]	Nonferrous Metals Manufacturing
[ ]	Canned and Preserved Fruit and Vegetables	[ ]	Oil and Gas Extraction
[ ]	Canned and Preserved Seafood	[ ]	Organic Chemicals Manufacturing
[ ]	Cement Manufacturing	[ ]	Paint and Ink Formulating
[ ]	Centralized Waste Treatment	[ ]	Paving and Roofing Manufacturing
[ ]	Carbon Black	[ ]	Pesticides Manufacturing
[ ]	Coal Mining	[ ]	Petroleum Refining
[ ]	Coil Coating	[ ]	Phosphate Manufacturing
[ ]	Copper Forming	[ ]	Photographic
[ ]	Electric and Electronic Components Manufacturing	[ ]	Pharmaceutical
[ ]	Electroplating	[ ]	Plastic & Synthetic Materials
[ ]	Explosives Manufacturing	[ ]	Plastics Processing Manufacturing
[ ]	Feedlots	[ ]	Porcelain Enamel
[ ]	Ferroalloy Manufacturing	[✓]	Pulp, Paper, and Fiberboard Manufacturing
[ ]	Fertilizer Manufacturing	[ ]	Rubber
[ ]	Foundries (Metal Molding and Casting)	[ ]	Soap and Detergent Manufacturing
[ ]	Glass Manufacturing	[ ]	Steam and Electric
[ ]	Grain Mills	[ ]	Sugar Processing
[ ]	Gum and Wood Chemicals Manufacturing	[ ]	Textile Mills
[ ]	Inorganic Chemicals	[ ]	Timber Products
[ ]	Iron and Steel	[ ]	Transportation Equipment Cleaning
[ ]	Leather Tanning and Finishing	[ ]	Waste Combustion
[ ]	Metal Finishing	[ ]	Other (specify)_____
[ ]	Meat Products		

A facility with processes inclusive in these business areas may be covered by Environmental Protection (EPA) categorical standards. These facilities are termed "categorical users" and should skip to question 2 of Section C.

3. Give a brief description of all operations at this facility including primary products or services (attach additional sheets if necessary):

See Attachment

SECTION C – WASTEWATER DISCHARGE INFORMATION

Facilities that checked activities in question 2 of Section B and are considered Categorical Industrial Users should skip to question 2 of this section.

1. **For Non-Categorical Users Only**: Provide wastewater flows for each of the processes or proposed processes. Using the process flow schematic (Figure 1, pg 14), enter the description that corresponds to each process. [New facilities should provide estimates for each discharge.]

Process Description	Last 12 Months (gals/day) Highest Month Avg. Flow	Highest Flow Year of Last 5 (gals/day) Monthly Avg. Flow	Discharge Type (batch, continuous, intermittent)
N/A			

If batch discharge occurs or will occur, indicate: [New facilities may estimate.]

a. Number of batch discharges: N/A per day

b. Average discharge per batch: N/A (GPD)

c. Time of batch discharges N/A (days of week) at (hours of day)

d. Flow rate: N/A gallons/minute

e. Percent of total discharge: N/A

Non-Process Discharges (e.g. non-contact cooling water)	Last 12 Months (gals/day) Highest Month Avg. Flow	Highest Flow Year of Last 5 (gals/day) Monthly Avg. Flow
N/A		

2. **Complete this Section only if you are subject to Categorical Standards and plan to directly discharge the associated wastewater to a water of the State.** If Categorical wastewater is discharged exclusively via an indirect discharge to a public or privately-owned treatment works, check "Yes" in the appropriate space below and proceed directly to part 2.c .

[✓] Yes

For Categorical Users: Provide the wastewater discharge flows or production (whichever is applicable by the effluent guidelines) for each of your processes or proposed processes. Using the process flow schematic (Figure 1, pg 14), enter the description that corresponds to each process. [New facilities should provide estimates for each discharge.]

2a.

Regulated Process	Applicable Category	Applicable Subpart	Type of Discharge Flow (batch, continuous, intermittent)
See Attachment			

2b.

Process Description	Last 12 Months (gals/day) Highest Month Average*	Highest Flow Year of Last 5 (gals/day) Monthly Average*	Discharge Type (batch, continuous, intermittent)
See Attachment			

*** Reported values should be expressed in units of the applicable Federal production-based standard. For example, flow (MGD), production (pounds per day), etc.**

If batch discharge occurs or will occur, indicate: [New facilities may estimate.]

a. Number of batch discharges: N/A per day

b. Average discharge per batch: N/A (GPD)

c. Time of batch discharges N/A (days of week) at N/A (hours of day)

d. Flow rate: N/A gallons/minute

Percent of total discharge: N/A

2c.

Non categorical Process Description	Last 12 Months (gals/day) Highest Month Avg. Flow	Highest Flow Year of Last 5 (gals/day) Monthly Avg. Flow	Discharge Type (batch, continuous, intermittent)
N/A			

If batch discharge occurs or will occur, indicate: [New facilities may estimate.]

a. Number of batch discharges: N/A per day

b. Average discharge per batch: N/A (GPD)

c. Time of batch discharges N/A (days of week) at N/A (hours of day)

d. Flow rate: N/A gallons/minute

Percent of total discharge: N/A

2d.

Non-Process Discharges (e.g. non-contact cooling water)	Last 12 Months (gals/day) Highest Month Avg. Flow	Highest Flow Year of Last 5 (gals/day) Monthly Avg. Flow
Filter Plant (Outfall DSN-012)	0.037 (MGD)	
Manufacturing (Outfall DSN-007)	0.160 (MGD)	

All Applicants must complete Questions 3 – 5.

3. Do you have, or plan to have, automatic sampling equipment or continuous wastewater flow metering equipment at this facility?

Flow Metering	Yes	✓	No	___	N/A ___
Sampling Equipment	Yes	✓	No	___	N/A ___

If so, please indicate the present or future location of this equipment on the sewer schematic and describe the equipment below:

Parshall flume on mill side of Chickasaw Creek: bubble-type (Honeywell) continuous flow meter with totalized flow on DCS display

Parshall flume on mill side of Chickasaw Creek: 24-hour composite sampler and refrigerator

4. Are any process changes or expansions planned during the next three years that could alter wastewater volumes or characteristics? Yes ☐ No ☑ (If no, skip Question 5)

Briefly describe these changes and their anticipated effects on the wastewater volume and characteristics:

N/A

5. List the trade name and chemical composition of all biocides and corrosion inhibitors used:

Trade Name	Chemical Composition
Please See Attachment	

For each biocide and/or corrosion inhibitor used, please include the following information:

(1) 96-hour median tolerance limit data for organisms representative of the biota of the waterway into which the discharge will ultimately reach,
(2) quantities to be used,
(3) frequencies of use,
(4) proposed discharge concentrations, and
(5) EPA registration number, if applicable

ECTION D – WATER SUPPLY

Water Sources (check as many as are applicable):

[ ] Private Well
[✓] Municipal Water Utility (Specify City):
[ ] Surface Water
[ ] Other (Specify): _____

IF MORE THAN ONE WELL OR SURFACE INTAKE, PROVIDE DATA FOR EACH ON AN ATTACHMENT

City:_____ *MGD Well:_____ *MGD Well Depth:____ Ft. Latitude:_____ Longitude:_____

Surface Intake Volume: _____*MGD Intake Elevation in Relation to Bottom _____Ft.

Intake Elevation: _____ Ft. Latitude: _____ Longitude: _____

Name of Surface Water Source: Big Creek Lake

*** MGD – Million Gallons per Day**

Cooling Water Intake Structure Information

Complete questions 1 and 2 if your water supply is provided by an outside source and not by an onsite water intake structure? (e.g., another industry, municipality, etc...)

1. Does the provider of your source water operate a surface water intake? Yes [ ] No [ ]
   (If yes, continue, if no, go to Section E.)

   a) Name of Provider Mobile Area Water and Sewer System b)Location of Provider 207 N.Catherine St. Mobile, AL.

   c) Latitude: 30.72024 Longitude: 88.30369

2. Is the provider a public water system (defined as a system which provides water to the public for human consumption or which provides only treated water, not raw water)? Yes [ ] No [☑]
   (If yes, go to Section E, if no, continue.)

Only to be completed if you have a cooling water intake structure or the provider of your water supply uses an intake structure and does not treat the raw water.

3. Is any water withdrawn from the source water used for cooling? Yes [✓] No [ ]

4. Using the average monthly measurements over any 12-month period, approximately what percentage of water withdrawn is used exclusively for cooling purposes? 1.4 %

5. Does the cooling water consist of treated effluent that would otherwise be discharged? Yes [ ] No [☑]
   (If yes, go to Section E, if no, complete questions 6 – 17.)

6. Is the cooling water used in a once-through or closed cycle cooling system? Yes [✓] No [ ]

7. When was the intake installed? 1952
   (Please provide dates for all major construction/installation of intake components including screens)

8. What is the maximum intake volume? 200 MGD
   (maximum pumping capacity in gallons per day)

9. What is the average intake volume? 70 MGD
   (average intake pump rate in gallons per day average in any 30-day period)

10. How is the intake operated? (e.g., continuously, intermittently, batch) Continuously

11. What is the mesh size of the screen on your intake? 1" Square

12. What is the intake screen flow-through area? 750 Square feet

13. What is the through screen design intake flow velocity? unk ft/sec

14. What is the mechanism for cleaning the screen? (e.g., does it rotate for cleaning) manual

15. Do you have any additional fish detraction technology on your intake? Yes [ ] No [✓]

16. Have there been any studies to determine the impact of the intake on aquatic organisms? Yes [ ] No [✓] (If yes please provide.)

17. Attach a site map showing the location of the water intake in relation to the facility, shoreline, water depth, etc.

SECTION E – WASTE STORAGE AND DISPOSAL INFORMATION

Provide a description of the location of all sites involved in the storage of solids or liquids that could be accidentally discharged to a water of the state, either directly or indirectly via such avenues as storm water drainage, municipal wastewater systems, etc., which are located at the facility for which the NPDES application is being made. Where possible, the location should be noted on a map and included with this application:

Description of Waste	Description of Storage Location
Primary Clarifier Solids plus secondary	3-sided concrete pad (15 ft. concrete sides) drain to WWTP
Primary Clarifier Solids plus secondary	Compactor waste containers near OCC and RF

Provide a description of the location of the ultimate disposal sites of solid or liquid waste by-products (such as sludges) from any wastewater treatment system located at the facility.

Description of Waste	Quantity (lbs/day)	Disposal Method*
Primary Clarifier Solids plus secondary	649,078 lbs/day	Incineration on-site (MESC) for steam powr
Primary Clarifier Solids plus secondary	169,262 lbs/day	off-site at South Side Stor.-Lott Road 49-17

***Indicate which wastes identified above are disposed of at an off-site treatment facility and which are disposed of on-site. If any wastes are sent to an off-site centralized waste treatment facility, identify the waste and the facility.**

SECTION F – COASTAL ZONE INFORMATION

Is the discharge(s) located within 10-foot elevation of Mobile or Baldwin County?

Yes [☑] No [☐] If yes, then complete items A through M below:

	YES	NO
A. Does the project require new construction?	☐	☑
B. Will the project be a source of new air emissions?	☐	☑
C. Does the project involve dredging and/or filling?	☐	☑
Has the Corps of Engineers (COE) permit been received?	☐	☑
Corps Project Number _____		
D. Does the project involve wetlands and/or submersed grassbeds?	☐	☑
E. Are oyster reefs located near the project site? (Include a map showing project and discharge location with respect to oyster reefs)	☐	☑
F. Does the project involve the siting, construction and operation of an energy facility as defined in ADEM Admin. Code R. 335-8-1-.02(bb)?	☐	☑
G. Does the project involve shoreline erosion mitigation?	☐	☑
H. Does the project involve construction on beaches and dunes?	☐	☑
I. Will the project interfere with public access to coastal waters?	☐	☑
J. Does the project lie within the 100-year floodplain?	☑	☐
K. Does the project involve the registration, sale, use, or application of pesticides?	☐	☑
L. Does the project propose to construct a new well or alter an existing well to pump more than 50 GPD?	☐	☑
M. Has the applicable permit been obtained?	☐	☑

SECTION G – ANTI-DEGRADATION EVALUATION

In accordance with 40 CFR 131.12 and the Alabama Department of Environmental Management Administrative Code, Section 335-6-10-.04 for antidegradation, the following information must be provided, if applicable. It is the applicant's responsibility to demonstrate the social and economic importance of the proposed activity. If further information is required to make this demonstration, attach additional sheets to the application.

1. Is this a new or increased discharge that began after April 3, 1991? Yes [☐] No [☑]
   If yes, complete question 2 below. If no, go to Section H.

2. Has an Anti-Degradation Analysis been previously conducted and submitted to the Department for the new or increased discharge referenced in question 1? Yes [☐] No [☐]

   If yes, do not complete this section.

If no, and the discharge is to a Tier II waterbody as defined in ADEM Admin. Code r. 335-6-10-.12(4), complete questions A through F below and ADEM forms 311 and 313 (attached). Form 313 must be provided for each alternative considered technically viable.

Information required for new or increased discharges to high quality waters:

A. What environmental or public health problem will the discharger be correcting?

B. How much will the discharger be increasing employment (at its existing facility or as the result of locating a new facility)?

C. How much reduction in employment will the discharger be avoiding?

D. How much additional state or local taxes will the discharger be paying?

E. What public service to the community will the discharger be providing?

F. What economic or social benefit will the discharger be providing to the community?

SECTION H – EPA Application Forms

All Applicants must submit EPA permit application forms. More than one application form may be required from a facility depending on the number and types of discharges or outfalls found there. The EPA application forms are found on the Department's website at http://www.adem.state.al.us/. The EPA application forms must be submitted in duplicate as follows:

1. All applicants must submit Form 1.
2. Applicants for existing industrial facilities (including manufacturing facilities, commercial facilities, mining activities, and silvicultural activities) which discharge process wastewater must submit Form 2C.
3. Applicants for new industrial facilities which propose to discharge process wastewater must submit Form 2D.
4. Applicants for new and existing industrial facilities which discharge only non-process wastewater (i.e., non-contact cooling water and/or sanitary wastewater) must submit Form 2E.
5. Applicants for new and existing facilities whose discharge is composed entirely of storm water associated with industrial activity must submit Form 2F, unless exempted by § 122.26(c)(1)(ii). If the discharge is composed of storm water and non-storm water, the applicant must also submit Forms 2C, 2D, and/or 2E, as appropriate (in addition to Form 2F).

SECTION I – ENGINEERING REPORT/BMP PLAN REQUIREMENTS
See ADEM 335-6-6-.08(i) & (j)

SECTION J– RECEIVING WATERS

Receiving Water(s)	303(d) Segment? (Y / N)	Included in TMDL?* (Y / N)
Mobile River	Yes	No
Chickasaw Creek	Yes	No
Three-mile Creek	Yes	Yes

*If a TMDL Compliance Schedule is requested, the following should be attached as supporting documentation:
(1) Justification for the requested Compliance Schedule (e.g. time for design and installation of control equipment, etc.);
(2) Monitoring results for the pollutant(s) of concern which have not previously been submitted to the Department (sample collection dates, analytical results (mass and concentration), methods utilized, MDL/ML, etc. should be submitted as available);
(3) Requested interim limitations, if applicable;
(4) Date of final compliance with the TMDL limitations; and,
(5) Any other additional information available to support requested compliance schedule.

SECTION K – APPLICATION CERTIFICATION

THE INFORMATION CONTAINED IN THIS FORM MUST BE CERTIFIED BY A RESPONSIBLE OFFICIAL AS DEFINED IN ADEM ADMINISTRATIVE RULE 335-6-6-.09 "SIGNATORIES TO PERMIT APPLICATIONS AND REPORTS" (SEE BELOW).

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

"I FURTHER CERTIFY UNDER PENALTY OF LAW THAT ALL ANALYSES REPORTED AS LESS THAN DETECTABLE IN THIS APPLICATION OR ATTACHMENTS THERETO WERE PERFORMED USING THE EPA APPROVED TEST METHOD HAVING THE LOWEST DETECTION LIMIT FOR THE SUBSTANCE TESTED."

SIGNATURE OF RESPONSIBLE OFFICIAL: Todd Visscher DATE SIGNED: 8-28-15

(TYPE OR PRINT)
NAME OF RESPONSIBLE OFFICIAL: Todd Visscher

TITLE OF RESPONSIBLE OFFICIAL: Mobile Facility Manager

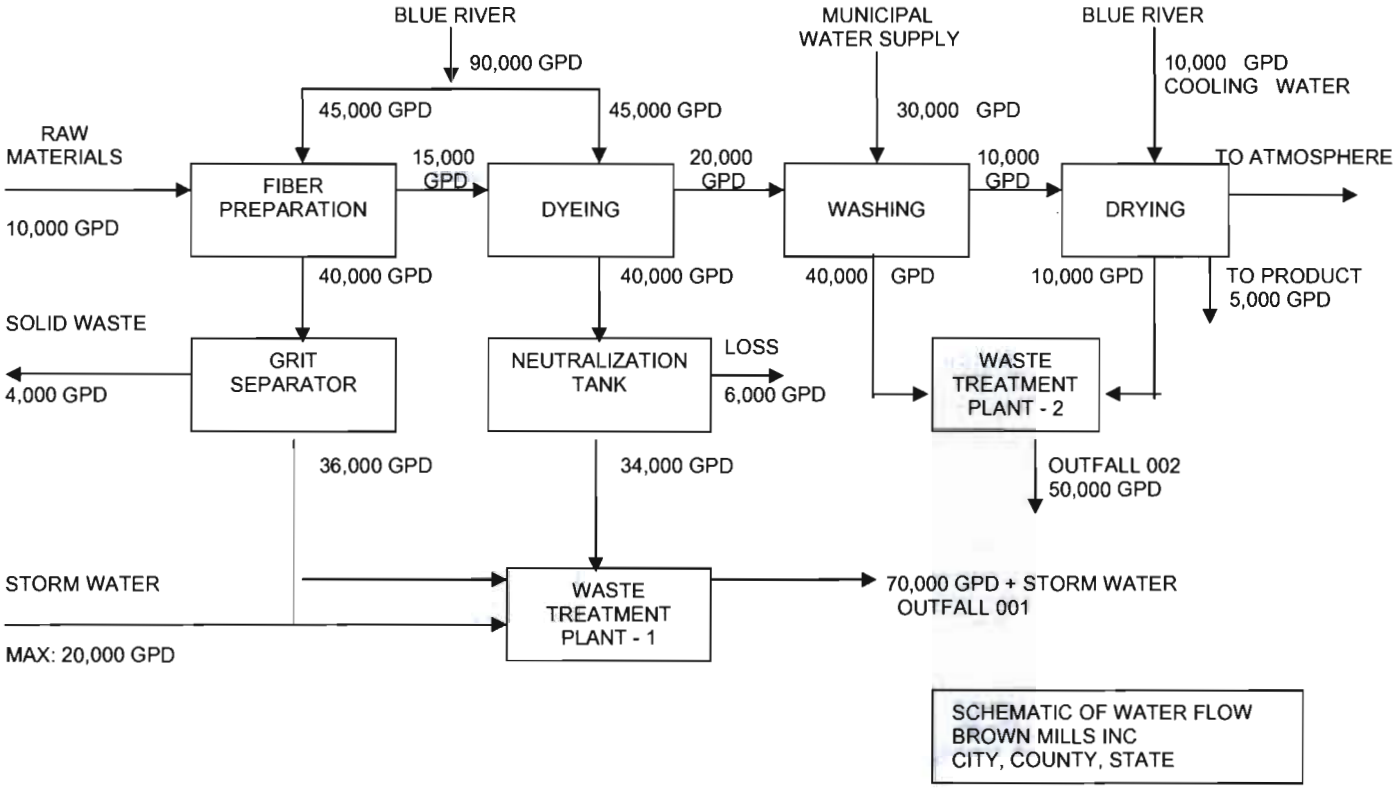
MAILING ADDRESS: 200 Bay Bridge Road

CITY, STATE, ZIP: Mobile, AL 36610 PHONE: 251-330-3000

335-6-6-.09 SIGNATORIES TO PERMIT APPLICATIONS AND REPORTS.

(1) The application for an NPDES permit shall be signed by a responsible official, as indicated below:
(a) In the case of a corporation, by a principal executive officer of at least the level of vice president, or a manager assigned or delegated in accordance with corporate procedures, with such delegation submitted in writing if required by the Department, who is responsible for manufacturing, production, or operating facilities and is authorized to make management decisions which govern the operation of the regulated facility;
(b) In the case of a partnership, by a general partner;
(c) In the case of a sole proprietorship, by the proprietor; or
(d) In the case of a municipal, state, federal, or other public entity, by either a principal executive officer, or ranking elected official.

FIGURE 1


BLUE RIVER
90,000 GPD
45,000 GPD
45,000 GPD
MUNICIPAL WATER SUPPLY
30,000 GPD
BLUE RIVER
10,000 GPD COOLING WATER
RAW MATERIALS
10,000 GPD
FIBER PREPARATION
15,000 GPD
DYEING
20,000 GPD
WASHING
10,000 GPD
DRYING
TO ATMOSPHERE
40,000 GPD
40,000 GPD
40,000 GPD
10,000 GPD
TO PRODUCT 5,000 GPD
SOLID WASTE
4,000 GPD
GRIT SEPARATOR
NEUTRALIZATION TANK
LOSS
6,000 GPD
WASTE TREATMENT PLANT - 2
36,000 GPD
34,000 GPD
OUTFALL 002
50,000 GPD
STORM WATER
MAX: 20,000 GPD
WASTE TREATMENT PLANT - 1
70,000 GPD + STORM WATER
OUTFALL 001
SCHEMATIC OF WATER FLOW
BROWN MILLS INC
CITY, COUNTY, STATE

Kimberly-Clark Mobile Mill
2015 NPDES Permit Renewal

Additional Information

Section B – Business Activity

3. The Mobile Kimberly-Clark (K-C) facility is comprised of the K-C and Mobile Energy Services Company, L.L.C. (MESC). K-C owns and operates a five machine tissue, towel, and napkin manufacturing facility. Other operating areas include the Old Corrugated Container (OCC) recycle fiber facility, alternative fiber facility, white office paper recycle fiber facility (RF), Water Filtering Facility (WFP) and Wastewater Treatment Plant (WWTP). MESC utilizes biomass natural gas and Residual Short Fiber (RSF) for the generation of steam-power and is regulated under a State Indirect Discharge (SID) permit to the K-C WWTP.

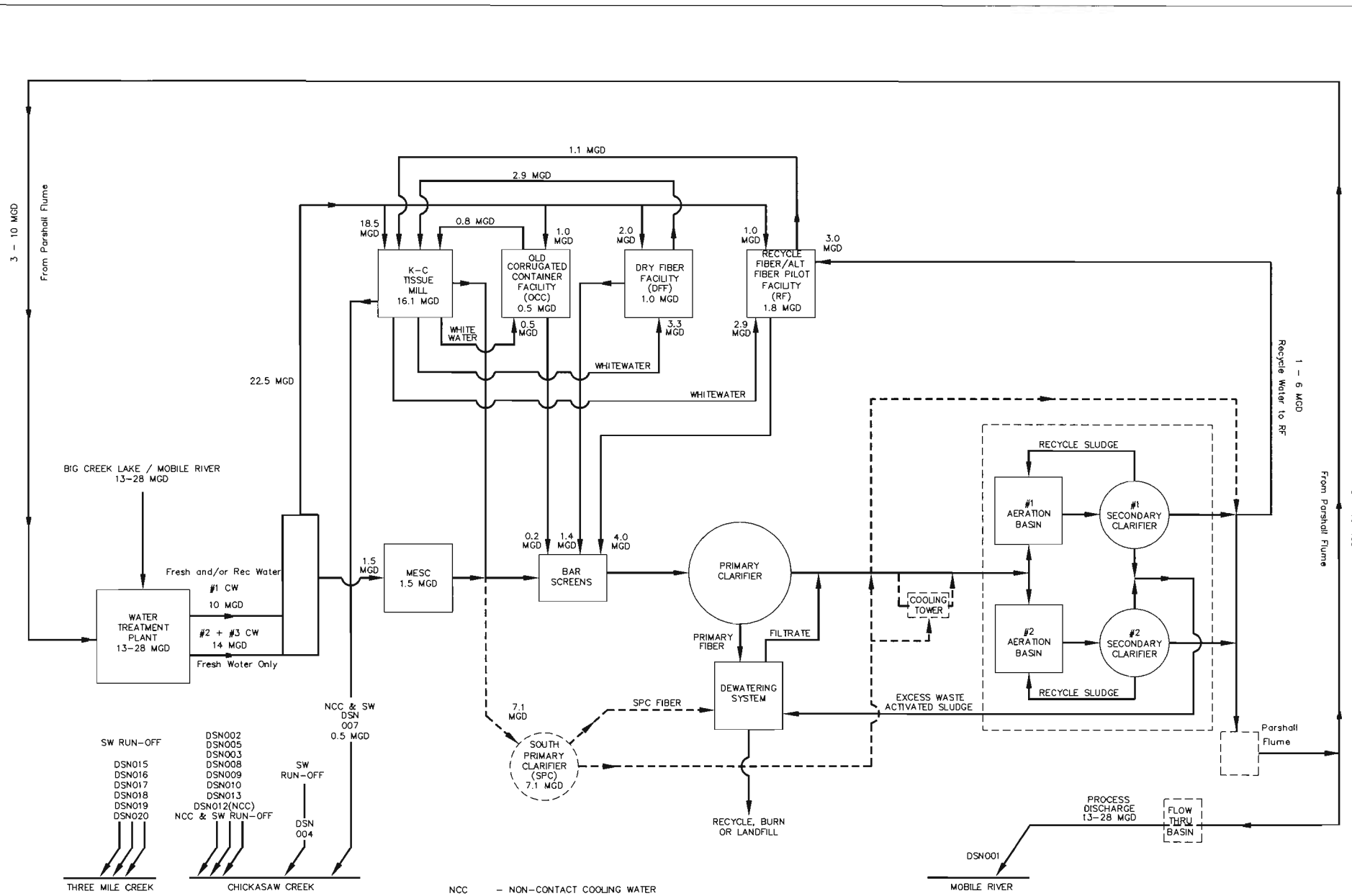
Section C – Wastewater Discharge Information

2. – 2a.

Regulated Process	Applicable Category	Applicable Subpart	Type of Discharge Flow (Batch, Continuous, Intermittent)
Non-Integrated Tissue	Part 430 – Pulp, Paper	L – Tissue From Purchased	Continuous
Tissue/Towel From Waste (RF)	Part 430	J – Secondary Fiber Deink	Continuous
Tissue/Towel From Waste (OCC)	Part 430	J – Secondary Fiber Deink	Continuous
Tissue/Towel From Waste (Alt. Fiber)	Part 430	J – Secondary Fiber Deink	Continuous

2. – 2b.

Process Description	Last 12 Months (gals/day) Highest Month Average*	Highest Flow Year of Last 5 (gals/day) Monthly Average*	Discharge Type (Batch, Continuous, Intermittent)
Non-Integrated Tissue	1,861,660 lbs/day	1,753,724 lbs/day	continuous
Tissue/Towel From Waste (RF)	530,765 lbs/day	483,487 lbs/day	continuous
Tissue/Towel From Waste (OCC)	282,098 lbs/day	266,763 lbs/day	continuous
Tissue/Towel From Waste (Alt. Fiber)	2,205 lbs/day	2,205 lbs/day	Batch


3 - 10 MGD
From Parshall Flume
1.1 MGD
2.9 MGD
18.5 MGD
0.8 MGD
1.0 MGD
2.0 MGD
1.0 MGD
3.0 MGD
K-C TISSUE MILL 16.1 MGD
OLD CORRUGATED CONTAINER FACILITY (OCC) 0.5 MGD
DRY FIBER FACILITY (DFF) 1.0 MGD
RECYCLE FIBER/ALT FIBER PILOT FACILITY (RF) 1.8 MGD
WHITE WATER
0.5 MGD
3.3 MGD
2.9 MGD
1 - 6 MGD
Recycle Water to RF
22.5 MGD
WHITEWATER
WHITEWATER
RECYCLE SLUDGE
BIG CREEK LAKE / MOBILE RIVER
13-28 MGD
#1 AERATION BASIN
#1 SECONDARY CLARIFIER
Fresh and/or Rec Water
#1 CW
10 MGD
#2 + #3 CW
14 MGD
Fresh Water Only
WATER TREATMENT PLANT 13-28 MGD
1.5 MGD
MESC 1.5 MGD
0.2 MGD
1.4 MGD
4.0 MGD
BAR SCREENS
PRIMARY CLARIFIER
COOLING TOWER
#2 AERATION BASIN
#2 SECONDARY CLARIFIER
RECYCLE SLUDGE
PRIMARY FIBER
FILTRATE
DEWATERING SYSTEM
EXCESS WASTE ACTIVATED SLUDGE
7.1 MGD
SPC FIBER
SOUTH PRIMARY CLARIFIER (SPC) 7.1 MGD
Parshall Flume
From Parshall Flume
3 - 10 MGD
NCC & SW DSN 007 0.5 MGD
SW RUN-OFF
DSN015
DSN016
DSN017
DSN018
DSN019
DSN020
DSN002
DSN005
DSN003
DSN008
DSN009
DSN010
DSN013
DSN012(NCC)
NCC & SW RUN-OFF
SW RUN-OFF
DSN 004
RECYCLE, BURN OR LANDFILL
PROCESS DISCHARGE 13-28 MGD
FLOW THRU BASIN
DSN001
THREE MILE CREEK
CHICKASAW CREEK
MOBILE RIVER
NCC - NON-CONTACT COOLING WATER
SW - STORM WATER RUN-OFF
DASHED LINES - SYSTEMS THAT MAY OR MAY NOT BE OPERATING BASED ON SYSTEM LOAD.

Kimberly-Clark Mobile Mill
2015 NPDES Permit Renewal
Section C.5

Supplemental Form

Spectrum XD3899

Composition:
Ammonium Bromide

Aquatic Toxicity Data:

Vertebrate: Rainbow Trout 96 hour acute study
LC50 = >1,000 mg/L

Bluegill 96 hour acute study
LC50 = >1,000 mg/L

Invertebrate: Daphnia Magna 48 hour acute study
EC50 = / >1,000 mg/L

Quantity to be used: Machines = 360,000 cc/day
Cooling Tower/OCC = 597,000 cc/day
Frequency of Use: Constant
Proposed Discharge Concentration: 250 cc/min (machines)
415 cc/min (cooling tower and OCC)
EPA Registration Number: 8622-64-74655

Biosperse XD9411

Composition:
Halogenated Complex
Sodium Hydroxide

Aquatic Toxicity Data:

Vertebrate: Bluegill 96 hour acute study
LC50 = 3.8 mg/L

Invertebrate: Daphnia Magna 48 hour acute study
EC50 = 4.8 mg/L

Quantity to be used: 300 cc/day
Frequency of Use: 20 min/day
Proposed Discharge Concentration: 15 cc/min
EPA Registration Number: 3377-55-74655

Drew 2315

Composition:
Sodium Molybdate
Tolyltriazole, Sodium Salt

Aquatic Toxicity Data:

Vertebrate: Rainbow Trout 96 hour acute study
LC50 = 707 mg/L

Fathead Minnow 96 hour acute study
LC50 = 1,770 mg/L

Invertebrate: Daphnia Magna 48 hour acute study
EC50 = 2,870 mg/L

Quantity to be used: 12,960 cc/day
Frequency of Use: Constant
Proposed Discharge Concentration: 9 cc/min
EPA Registration Number: N/A

Millisperse 954

Composition:
Phosphoric Acid
Zinc Chloride

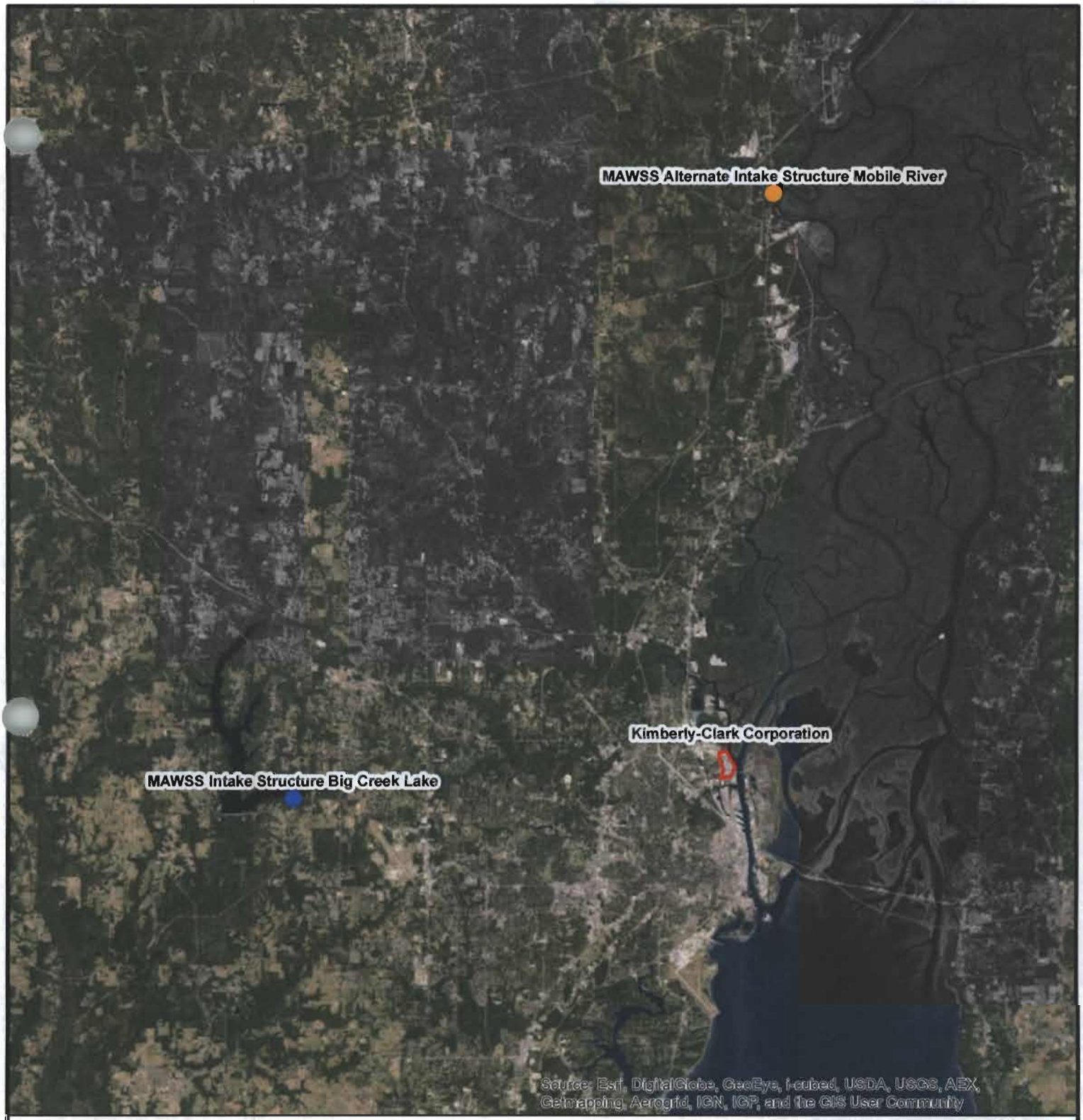
Aquatic Toxicity Data:

Vertebrate: Rainbow Trout 96 hour acute study
LC50 = 10.1 mg/L

Fathead Minnow 96 hour acute study
LC50 = 3.30 mg/L

Invertebrate: Daphnia Magna 48 hour acute study
LC50 = 4.59 mg/L

Quantity to be used: 8640 cc/day
Frequency of Use: 12 hours/day
Proposed Discharge Concentration: 12 cc/min
EPA Registration Number: N/A



Scale

0 3.75 7.5 15

Miles

N W E S

Kimberly-Clark Corporation

Mobile Mill

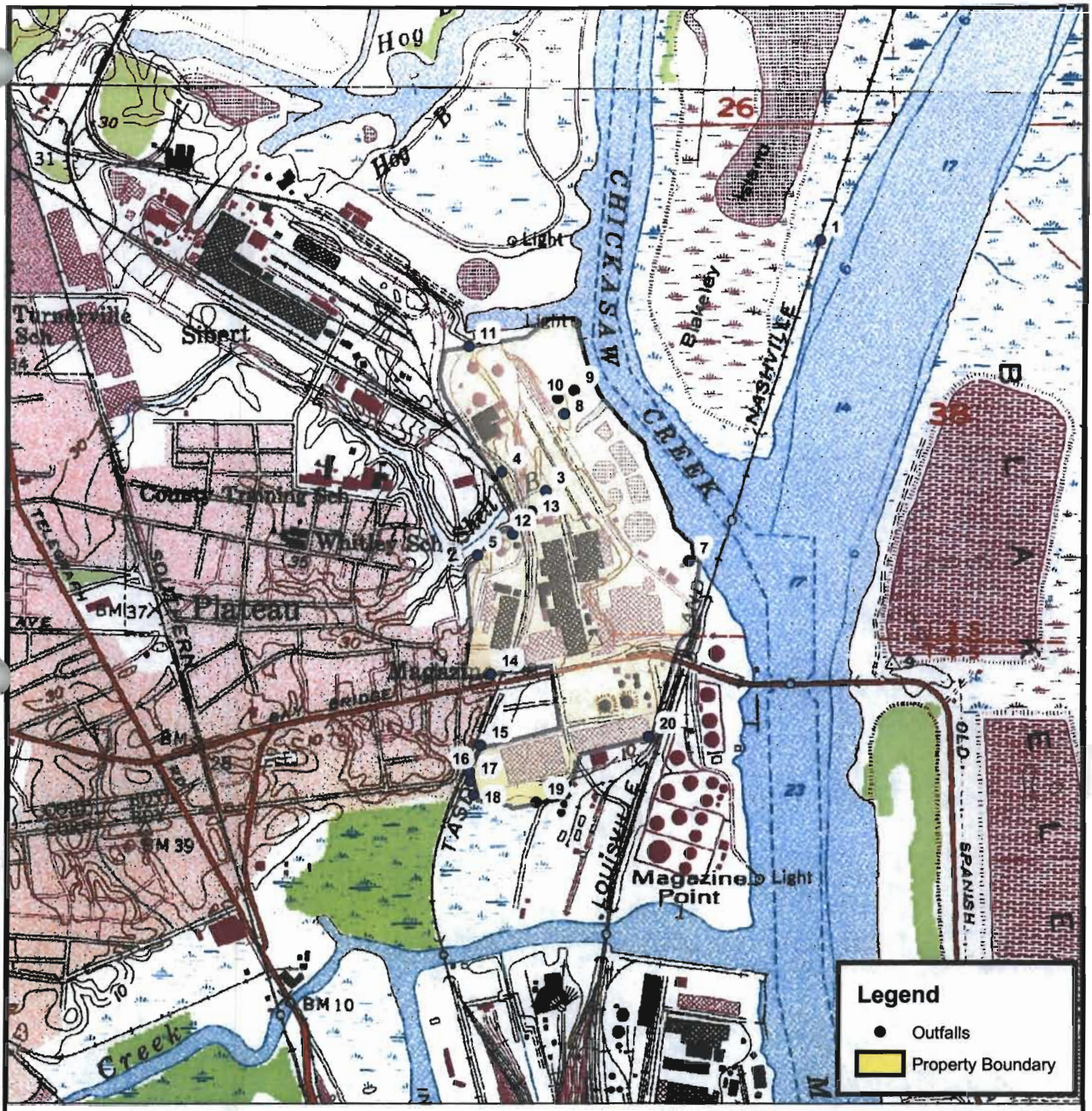
Mobile, Mobile County, Alabama

PAYNE ENVIRONMENTAL SERVICES

Figure 2

Water Intake Map

Job No. 15-039-00



(Note: Extracted from USGS Quadrangles Chickasaw and Mobile, Alabama, 7.5 Minute Series)

Kimberly-Clark Corporation

Mobile Mill

Mobile, Mobile County, Alabama

PAYNE ENVIRONMENTAL SERVICES

Figure 1

Site Vicinity Map

Job No. 010-0[illegible]

Please print or type in the unshaded areas only.

Form Approved. OMB No. 2040-0086.

FORM 1 GENERAL

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER: F ALD008149858 (T/A: ; C: D)

LABEL ITEMS

- I. EPA I.D. NUMBER
- III. FACILITY NAME
- V. FACILITY MAILING ADDRESS
- VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold-faced terms**.

SPECIFIC QUESTIONS	Mark "X" YES	NO	FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge** to **waters of the U.S.**? (FORM 2A)		X	
B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge** to **waters of the U.S.**? (FORM 2B)		X	
C. Is this a facility which currently results in **discharges** to **waters of the U.S.** other than those described in A or B above? (FORM 2C)	X		X
D. Is this a proposed facility *(other than those described in A or B above)* which will result in a **discharge** to **waters of the U.S.**? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3)		X	
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	
J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP: Kimberly - Clark Corporation - Mobile Mill

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
2 Strickland, LeeAnne, Environmental Coordinator	(251) 330-2464

V. FACILTY MAILING ADDRESS

A. STREET OR P.O. BOX: 3 200 Bay Bridge Road

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 Mobile	AL	36610

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: 5 200 Bay Bridge Road

B. COUNTY NAME: Mobile

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
6 Mobile	AL	36610	

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VII. SIC CODES *(4-digit, in order of priority)*

A. FIRST	B. SECOND
2621 *(specify)* Paper Mill	2676 *(specify)* Sanitary paper products

C. THIRD	D. FOURTH
4941 *(specify)* Water Treatment	*(specify)*

VIII. OPERATOR INFORMATION

A. NAME	B. Is the name listed in Item VIII-A also the owner?
Kimberly - Clark Corporation	☑ YES ☐ NO

C. STATUS OF OPERATOR *(Enter the appropriate letter into the answer box: if "Other," specify.)*

F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC *(other than federal or state)*
O = OTHER *(specify)*

P *(specify)*

D. PHONE *(area code & no.)*: A (251) 330-2464

E. STREET OR P.O. BOX: 200 Bay Bridge Road

F. CITY OR TOWN	G. STATE	H. ZIP CODE	IX. INDIAN LAND
Mobile	AL	36610	Is the facility located on Indian lands? ☐ YES ☑ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES *(Discharges to Surface Water)*	D. PSD *(Air Emissions from Proposed Sources)*
N AL0002801	P

B. UIC *(Underground Injection of Fluids)*	E. OTHER *(specify)*
U	503-2012 *(specify)* Air Permit

C. RCRA *(Hazardous Wastes)*	E. OTHER *(specify)*
R ALD008149858	*(specify)*

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS *(provide a brief description)*

The Mobile Kimberly-Clark (K-C) facility is comprised of the K-C and Mobile Energy Services Company, L.L.C. (MESC). K-C owns and operates a five machine tissue, towel, and napkin manufacturing facility. Other operating areas include the Old Corrugated Container (OCC) recycle fiber facility, alternative fiber facility, white office paper recycle fiber facility (RF), Water Filtering Facility (WFP) and Wastewater Treatment Plant (WWTP). MESC utilizes biomass natural gas and Residual Short Fiber (RSF) for the generation of steam-power and is regulated under a State Indirect Discharge (SID) permit to the K-C WWTP.

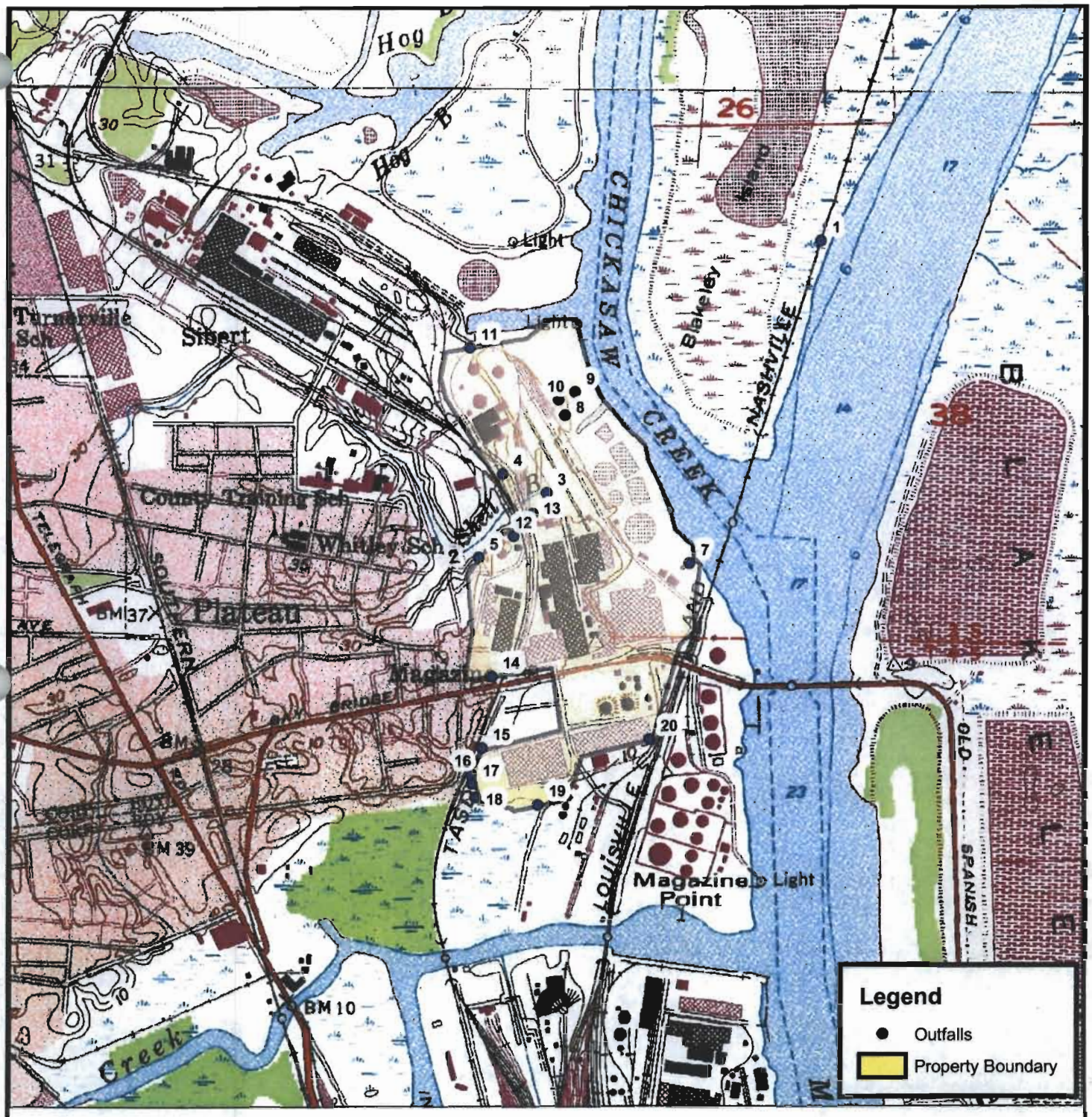
XIII. CERTIFICATION *(see instructions)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE *(type or print)*	B. SIGNATURE	C. DATE SIGNED
Todd Visscher Mobile Facility Manager	Todd Visscher	8-28-15

COMMENTS FOR OFFICIAL USE ONLY

C



(Note: Extracted from USGS Quadrangles Chickasaw and Mobile, Alabama, 7.5 Minute Series)

Kimberly-Clark Corporation

Mobile Mill

Mobile, Mobile County, Alabama

PAYNE ENVIRONMENTAL SERVICES

Figure 1

Site Vicinity Map

Job No. 010-0

Please print or type in the unshaded areas only.

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)
ALD008149858

Form Approved.
OMB No. 2040-0086.
Approval expires 3-31-98.

FORM **2C** NPDES

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (*list*)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (*name*)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
001	30.00	44.00	45.00	88.00	2.00	30.00	Mobile River

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (*e.g., for certain mining activities*), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (*list*)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (*list*)	b. AVERAGE FLOW (*include units*)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Production of tissue in a	15.7 MGD	Screening,	1-T	
	non-integrated mill and production		Floatation*,	1-H	
	of tissue from waste paper.		Sedimentation,	1-U	
	Stormwater (See Form 2F)		Cooling*,	XX*	
			Neutralization*,	2-K	
			Activated sludge,	3-A	
			Sedimentation redundant polishing lagoon*,	XX*	
			Discharge to surface water,	4-A	
			Chemical conditioning,	5-E	
			Belt filtration,	5-C	
			Landfill,	5-Q	
			Incineration,	5-O	
			Recycle	XX	
			or Screw Press	XX	
			*These processes are redundant and not needed to maintain compliance.		
			*They are available but not currently used for treatment.		

OFFICIAL USE ONLY (*effluent guidelines sub-categories*)

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C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☐ YES (*complete the following table*) ☑ NO (*go to Section III*)

1. OUTFALL NUMBER (*list*)	2. OPERATION(s) CONTRIBUTING FLOW (*list*)	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK (*specify average*)	b. MONTHS PER YEAR (*specify average*)	a. FLOW RATE (*in mgd*)		B. TOTAL VOLUME (*specify with units*)		C. DURATION (*in days*)
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1 LONG TERM AVERAGE	2. MAXIMUM DAILY	

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☑ YES (*complete Item III-B*) ☐ NO (*go to Section IV*)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (*or other measure of operation*)?

☑ YES (*complete Item III-C*) ☐ NO (*go to Section IV*)

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (*list outfall numbers*)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (*specify*)	
1,861,660	lbs/day	Production of tissue paper in a non-integrated mill.	001
530,765	lbs/day	Production of tissue/towel from waste (recycled fiber).	001
282,098	lbs/day	Production of tissue/towel from waste (old corrucated containers).	001
2,205	lbs/day	Production of tissue/towel from waste (alternate fiber).	001

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operations of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

☐ YES (*complete the following table*) ☑ NO (*go to Item IV-B*)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (*or other environmental projects which may affect your discharges*) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

☐ MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

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CONTINUED FROM PAGE 2

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.
NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

D. Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
None			

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ YES (*list all such pollutants below*) ☑ NO (*go to Item VI-B*)

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VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☑ YES (*identify the test(s) and describe their purposes below*) ☐ NO (*go to Section VIII*)

Performance of 48-hour toxicity test with the fathead minnow (pimephales promelas) and the cladoceran (ceriodaphnia dubia) is conducted annually on the DSN001 final effluent dischcarge, as required by the existing permit.

Testing is conducted by either TestAmerica or Analytical & Environmental Testing, Inc.

All results from the last 3 years have shown 100% survival of both species referenced above.

VIII. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☑ YES (*list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below*) ☐ NO (*go to Section IX*)

A. NAME	B. ADDRESS	C. TELEPHONE (*area code & no.*)	D. POLLUTANTS ANALYZED (*list*)
TestAmerica Inc.	900 Lakeside Drive Mobile, AL 36693	(251) 666-6633	All Parameters, including acute toxicity, with the exception of pH
Environmental Enterprises USA, Inc.	58485 Pearl Acres Road, Suite D Slidell, Louisiana 70461	(985) 646-2787	All parameters associated with acute toxicity.

IX. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME & OFFICIAL TITLE (*type or print*)	B. PHONE NO. (*area code & no.*)
Todd Visscher, Mobile Facility Manager	(251) 330-3000
C. SIGNATURE	D. DATE SIGNED

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (*use the same format*) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)
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V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

OUTFALL NO.
001

PART A –You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (*if available*) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (*if available*) (2) MASS	c. LONG TERM AVRG. VALUE (*if available*) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (*if available*) (2) MASS	d. NO. OF ANALYSES	3. UNITS (*specify if blank*) a. CONCEN-TRATION	3. UNITS b. MASS	4. INTAKE (*optional*) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (*BOD*)			23.8	4131	10.8	1874	260	mg/L	lbs			
b. Chemical Oxygen Demand (*COD*)	50	8678.8			N/A	N/A	1	mg/L	lbs			
c. Total Organic Carbon (*TOC*)	18.4	3193.8			N/A	N/A	1	mg/L	lbs			
d. Total Suspended Solids (*TSS*)			138.5	24040	26.6	4617	260	mg/L	lbs			
e. Ammonia (*as N*)	ND	ND	0.89	154	0.31	53	12	mg/L	lbs			
f. Flow	VALUE 25.98		VALUE 25.98		VALUE 20.8		365	MGD	MGD	VALUE		
g. Temperature (*winter*)	VALUE 25		VALUE		VALUE 18.8		365	°C		VALUE		
h. Temperature (*summer*)	VALUE 34.4		VALUE		VALUE 33.2		365	°C		VALUE		
i. pH	MINIMUM	MAXIMUM	MINIMUM 7.9	MAXIMUM 8.3			260	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (*if available*)	2. MARK "X" a. BELIEVED PRESENT	2. MARK "X" b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (*if available*) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (*if available*) (2) MASS	c. LONG TERM AVRG. VALUE (*if available*) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (*if available*) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCEN-TRATION	4. UNITS b. MASS	5. INTAKE (*optional*) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE b. NO. OF ANALYSES
a. Bromide (24959-67-9)	X		2.21	383					1	mg/L	lbs			
b. Chlorine, Total Residual		X	0.13	22					1	mg/L	lbs			
c. Color	X		88	N/A					1	PCU	---			
d. Fecal Coliform	X		820	N/A					1	CFU/100m	---			
e. Fluoride (16984-48-8)		X							0	mg/L	lbs			
f. Nitrate-Nitrite (*as N*)		X			25.40	4408	3.42	593	12	mg/L	lbs			

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (*if available*)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (*as N*)	X		1.96	340.21					1	mg/L	lbs			
h. Oil and Grease	X				7.1	1232	5.7	989	12	mg/L	---			
i. Phosphorus (as P), Total (7723-14-0)	X				0.17	29.51	.08	13.89	12	mg/L	lbs			
j. Radioactivity														
(1) Alpha, Total	X		29.03	n/a					1	pCi/L	---			
(2) Beta, Total	X		1.38	n/a					1	pCi/L	---			
(3) Radium, Total		X							0	pCi/L	---			
(4) Radium 226, Total	X		0.23	n/a					1	pCi/L	---			
k. Sulfate (*as SO_4*) (14808-79-8)	X		66.7	11577.5					1	mg/L	lbs			
l. Sulfide (*as S*)		X							0	mg/L	lbs			
m. Sulfite (*as SO_3*) (14265-45-3)		X							0	mg/L	lbs			
n. Surfactants		X							0	mg/L LAS	lbs			
o. Aluminum, Total (7429-90-5)		X							0	mg/L	lbs			
p. Barium, Total (7440-39-3)	X		.051	8.85					1	mg/L	lbs			
q. Boron, Total (7440-42-8)	X		.414	71.86					1	mg/L	lbs			
r. Cobalt, Total (7440-48-4)		X							0	mg/L	lbs			
s. Iron, Total (7439-89-6)	X		ND	ND					1	mg/L	lbs			
t. Magnesium, Total (7439-95-4)	X		3.3	572.8					1	mg/L	lbs			
u. Molybdenum, Total (7439-98-7)		X							0	mg/L	lbs			
v. Manganese, Total (7439-96-5)	X		.007	1.22					1	mg/L	lbs			
w. Tin, Total (7440-31-5)		X							0	mg/L	lbs			
x. Titanium, Total (7440-32-6)		X							0	mg/L	lbs			

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)	OUTFALL NUMBER
ALD008149858	

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (*secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions*), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (*all 7 pages*) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (*if available*) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (*if available*) (2) MASS	c. LONG TERM AVRG. VALUE (*if available*) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (*if available*) (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			ND						1	mg/L	lbs			
2M. Arsenic, Total (7440-38-2)	X			ND						1	mg/L	lbs			
3M. Beryllium, Total (7440-41-7)	X			ND						1	mg/L	lbs			
4M. Cadmium, Total (7440-43-9)	X			ND						1	mg/L	lbs			
5M. Chromium, Total (7440-47-3)	X			ND						1	mg/L	lbs			
6M. Copper, Total (7440-50-8)	X			ND						1	mg/L	lbs			
7M. Lead, Total (7439-92-1)	X			ND						1	mg/L	lbs			
8M. Mercury, Total (7439-97-6)	X			<.000002	<.0004					1	mg/L	lbs			
9M. Nickel, Total (7440-02-0)	X			ND						1	mg/L	lbs			
10M. Selenium, Total (7782-49-2)	X			ND						1	mg/L	lbs			
11M. Silver, Total (7440-22-4)	X			ND						1	mg/L	lbs			
12M. Thallium, Total (7440-28-0)	X			ND						1	mg/L	lbs			
13M. Zinc, Total (7440-66-6)	X			.025	4.34					1	mg/L	lbs			
14M. Cyanide, Total (57-12-5)	X			ND						1	mg/L	lbs			
15M. Phenols, Total	X			ND						1	mg/L	lbs			
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)	X			DESCRIBE RESULTS											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Accrolein (107-02-8)	X			ND						1					
2V. Acrylonitrile (107-13-1)	X			ND						1					
3V. Benzene (71-43-2)	X			ND						1					
4V. Bis (*Chloro-methyl*) Ether (542-88-1)				No	Longer	Required				n/a					
5V. Bromoform (75-25-2)	X			ND						1					
6V. Carbon Tetrachloride (56-23-5)	X			ND						1					
7V. Chlorobenzene (108-90-7)	X			ND						1					
8V. Chlorodi-bromomethane (124-48-1)	X			ND						1					
9V. Chloroethane (75-00-3)	X			ND						1					
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	X			ND						1					
11V. Chloroform (67-66-3)	X			1.8	312.44					1					
12V. Dichloro-bromomethane (75-27-4)	X			ND						1					
13V. Dichloro-difluoromethane (75-71-8)				No	Longer	Required				n/a					
14V. 1,1-Dichloro-ethane (75-34-3)	X			ND						1					
15V. 1,2-Dichloro-ethane (107-06-2)	X			ND						1					
16V. 1,1-Dichloro-ethylene (75-35-4)	X			ND						1					
17V. 1,2-Dichloro-propane (78-87-5)	X			ND						1					
18V. 1,3-Dichloro-propylene (542-75-6)	X			ND						1					
19V. Ethylbenzene (100-41-4)	X			ND						1					
20V. Methyl Bromide (74-83-9)	X			ND						1					
21V. Methyl Chloride (74-87-3)	X			ND						1					

CONTINUE ON PAGE V-5

CONTINUED FROM PAGE V-4

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS (*continued*)															
22V. Methylene Chloride (75-09-2)	X			ND						1					
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X			ND						1					
24V. Tetrachloroethylene (127-18-4)	X			ND						1					
25V. Toluene (108-88-3)	X			ND						1					
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X			ND						1					
27V. 1,1,1-Trichloroethane (71-55-6)	X			ND						1					
28V. 1,1,2-Trichloroethane (79-00-5)	X			ND						1					
29V Trichloroethylene (79-01-6)	X			ND						1					
30V. Trichlorofluoromethane (75-69-4)				No	Longer	Required									
31V. Vinyl Chloride (75-01-4)	X			ND						1					
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X			ND						1					
2A. 2,4-Dichlorophenol (120-83-2)	X			ND						1					
3A. 2,4-Dimethylphenol (105-67-9)	X			ND						1					
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X			ND						1					
5A. 2,4-Dinitrophenol (51-28-5)	X			ND						1					
6A. 2-Nitrophenol (88-75-5)	X			ND						1					
7A. 4-Nitrophenol (100-02-7)	X			ND						1					
8A. P-Chloro-M-Cresol (59-50-7)	X			ND						1					
9A. Pentachlorophenol (87-86-5)	X			ND						1					
10A. Phenol (108-95-2)	X			ND						1					
11A. 2,4,6-Trichlorophenol (88-05-2)	X			ND						1					

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X			ND						1					
2B. Acenaphtylene (208-96-8)	X			ND						1					
3B. Anthracene (120-12-7)	X			ND						1					
4B. Benzidine (92-87-5)	X			ND						1					
5B. Benzo (*a*) Anthracene (56-55-3)	X			ND						1					
6B. Benzo (*a*) Pyrene (50-32-8)	X			ND						1					
7B. 3,4-Benzo-fluoranthene (205-99-2)	X			ND						1					
8B. Benzo (*ghi*) Perylene (191-24-2)	X			ND						1					
9B. Benzo (*k*) Fluoranthene (207-08-9)	X			ND						1					
10B. Bis (*2-Chloro-ethoxy*) Methane (111-91-1)	X			ND						1					
11B. Bis (*2-Chloro-ethyl*) Ether (111-44-4)	X			ND						1					
12B. Bis (*2-Chloroisopropyl*) Ether (102-80-1)	X			ND						1					
13B. Bis (*2-Ethyl-hexyl*) Phthalate (117-81-7)	X			ND						1					
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	X			ND						1					
15B. Butyl Benzyl Phthalate (85-68-7)	X			ND						1					
16B. 2-Chloro-naphthalene (91-58-7)	X			ND						1					
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X			ND						1					
18B. Chrysene (218-01-9)	X			ND						1					
19B. Dibenzo (*a.h*) Anthracene (53-70-3)	X			ND						1					
20B. 1,2-Dichloro-benzene (95-50-1)	X			ND						1					
21B. 1,3-Di-chloro-benzene (541-73-1)	X			ND						1					

CONTINUE ON PAGE V-7

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (*continued*)															
22B. 1,4-Dichlorobenzene (106-46-7)	X			ND						1					
23B. 3,3-Dichlorobenzidine (91-94-1)	X			ND						1					
24B. Diethyl Phthalate (84-66-2)	X			ND						1					
25B. Dimethyl Phthalate (131-11-3)	X			ND						1					
26B. Di-N-Butyl Phthalate (84-74-2)	X			ND						1					
27B. 2,4-Dinitrotoluene (121-14-2)	X			ND						1					
28B. 2,6-Dinitrotoluene (606-20-2)	X			ND						1					
29B. Di-N-Octyl Phthalate (117-84-0)	X			ND						1					
30B. 1,2-Diphenylhydrazine (*as Azobenzene*) (122-66-7)	X			ND						1					
31B. Fluoranthene (206-44-0)	X			ND						1					
32B. Fluorene (86-73-7)	X			ND						1					
33B. Hexachlorobenzene (118-74-1)	X			ND						1					
34B. Hexachlorobutadiene (87-68-3)	X			ND						1					
35B. Hexachlorocyclopentadiene (77-47-4)	X			ND						1					
36B Hexachloroethane (67-72-1)	X			ND						1					
37B. Indeno (*1,2,3-cd*) Pyrene (193-39-5)	X			ND						1					
38B. Isophorone (78-59-1)	X			ND						1					
39B. Naphthalene (91-20-3)	X			ND						1					
40B. Nitrobenzene (98-95-3)	X			ND						1					
41B. N-Nitrosodimethylamine (62-75-9)	X			ND						1					
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X			ND						1					

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

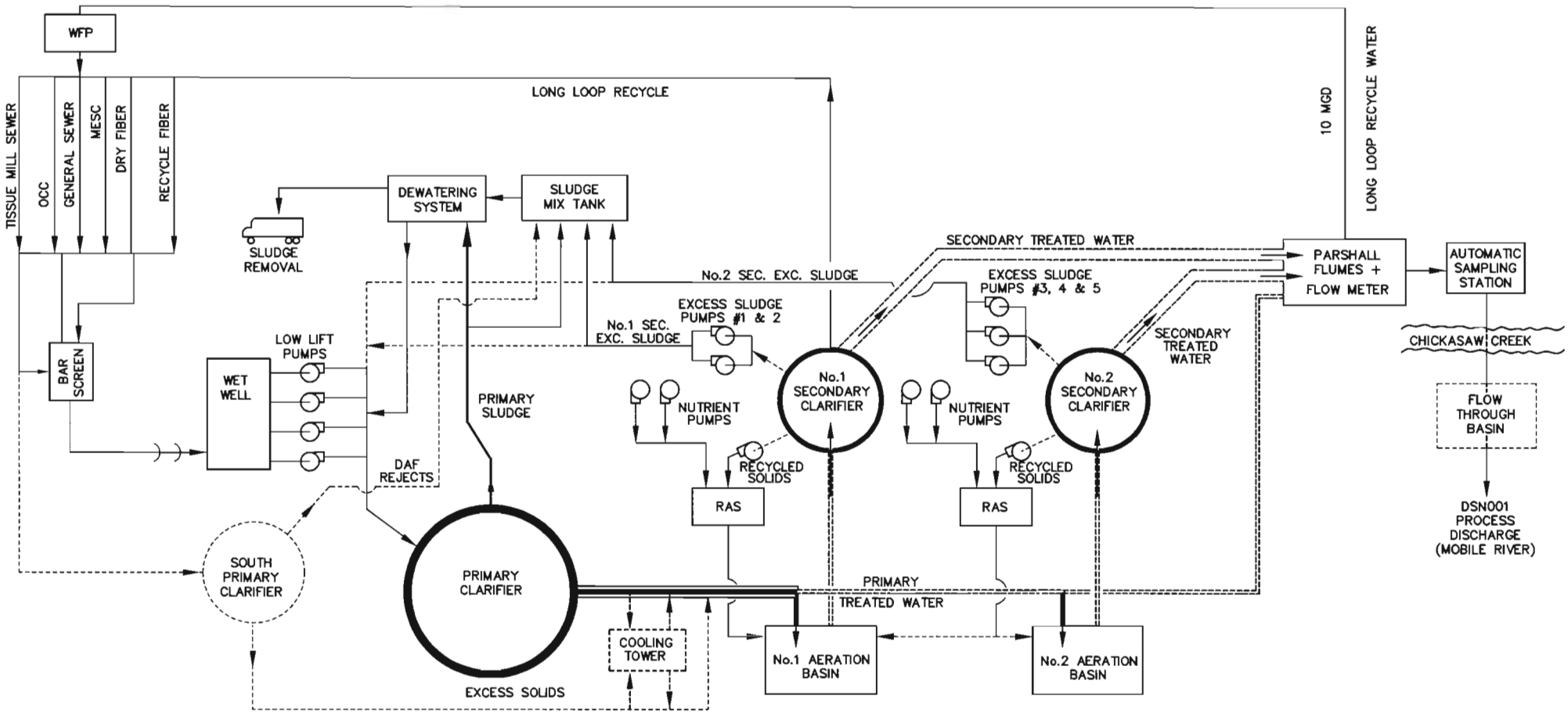
1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (*continued*)															
43B. N-Nitrosodiphenylamine (86-30-6)	X			ND						1					
44B. Phenanthrene (85-01-8)	X			ND						1					
45B. Pyrene (129-00-0)	X			ND						1					
46B. 1,2,4-Trichlorobenzene (120-82-1)	X			ND						1					
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)	X			ND						1					
2P. α-BHC (319-84-6)	X			ND						1					
3P. β-BHC (319-85-7)	X			ND						1					
4P. γ-BHC (58-89-9)	X			ND						1					
5P. δ-BHC (319-86-8)	X			ND						1					
6P. Chlordane (57-74-9)	X			ND						1					
7P. 4,4'-DDT (50-29-3)	X			ND						1					
8P. 4,4'-DDE (72-55-9)	X			ND						1					
9P. 4,4'-DDD (72-54-8)	X			ND						1					
10P. Dieldrin (60-57-1)	X			ND						1					
11P. α-Enosulfan (115-29-7)	X			ND						1					
12P. β-Endosulfan (115-29-7)	X			ND						1					
13P. Endosulfan Sulfate (1031-07-8)	X			ND						1					
14P. Endrin (72-20-8)	X			ND						1					
15P. Endrin Aldehyde (7421-93-4)	X			ND						1					
16P. Heptachlor (76-44-8)	X			ND						1					

CONTINUE ON PAGE V-9

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)	OUTFALL NUMBER

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – PESTICIDES (*continued*)															
17P. Heptachlor Epoxide (1024-57-3)	X			ND						1					
18P. PCB-1242 (53469-21-9)	X			ND						1					
19P. PCB-1254 (11097-69-1)	X			ND						1					
20P. PCB-1221 (11104-28-2)	X			ND						1					
21P. PCB-1232 (11141-16-5)	X			ND						1					
22P. PCB-1248 (12672-29-6)	X			ND						1					
23P. PCB-1260 (11096-82-5)	X			ND						1					
24P. PCB-1016 (12674-11-2)	X			ND						1					
25P. Toxaphene (8001-35-2)	X			ND						1					



Note: Dashed lines indicate systems that may or may not be operated based on system load/health

WASTE TREATMENT PLANT – FLOW DIAGRAM

Please print or type in the unshaded areas only.	EPA ID Number (copy from Item 1 of Form 1) ALD008149858	Form Approved. OMB No. 2040-0086. Approval expires 5-31-92.

FORM 2E NPDES

EPA Facilities Which Do Not Discharge Process Wastewater

I. RECEIVING WATERS

For this outfall, list the latitude and longitude, and name of the receiving water(s).

Outfall Number *(list)*	Latitude			Longitude			Receiving Water *(name)*
	Deg	Min	Sec	Deg	Min	Sec	
DSN-007	30.0(	14.0(	30.0(	88.0(	2.00	60.0(	Chickasaw Creek

II. DISCHARGE DATE *(If a new discharger, the date you expect to begin discharging)*

III. TYPE OF WASTE

A. Check the box(es) indicating the general type(s) of wastes discharged.

☐ Sanitary Wastes ☐ Restaurant or Cafeteria Wastes ☑ Noncontact Cooling Water ☐ Other Nonprocess Wastewater *(Identify)*

B. If any cooling water additives are used, list them here. Briefly describe their composition if this information is available.

N/A

IV. EFFLUENT CHARACTERISTICS

A. Existing Sources — Provide measurements for the parameters listed in the left-hand column below, unless waived by the permitting authority *(see instructions)*.

B. New Dischargers — Provide estimates for the parameters listed in the left-hand column below, unless waived by the permitting authority. Instead of the number of measurements taken, provide the source of estimated values *(see instructions)*.

Pollutant or Parameter	(1) Maximum Daily Value *(include units)*		(2) Average Daily Value *(last year)* *(include units)*		*(3)* Number of Measurements Taken *(last year)*	*(or)* *(4)* Source of Estimate *(if new discharger)*
	Mass	Concentration	Mass	Concentration		
Biochemical Oxygen Demand (BOD)	ND	ND			1.00	
Total Suspended Solids (TSS)	1058 lbs	6.1 mg/l			1.00	
Fecal Coliform *(if believed present or if sanitary waste is discharged)*	N/A	N/A			1.00	
Total Residual Chlorine *(if chlorine is used)*	ND	ND	0.055 lbs	.0003 mg/l	12.00	
Oil and Grease	ND	ND			1.00	
*Chemical oxygen demand (COD)	2082 lbs	12 mg/l			1.00	
*Total organic carbon (TOC)	810 lbs	4.67 mg/l			1.00	
Ammonia *(as N)*	34 lbs	0.2 mg/l			1.00	
Discharge Flow	Value 0.160 MGD		.028 MGD		12.00	
pH *(give range)*	Value 6.74				1.00	
Temperature *(Winter)*	°C			17.20 °C	3.00	
Temperature *(Summer)*				32.00 °C	3.00	

*If noncontact cooling water is discharged

RECEIVED
AUG 31 2015
IND/MUN BRANCH

V. Except for leaks or spills, will the discharge described in this form be intermittent or seasonal? ☐ Yes ☑ No

If yes, briefly describe the frequency of flow and duration.

N/A

VI. TREATMENT SYSTEM *(Describe briefly any treatment system(s) used or to be used)*

Three skimming pipes attached to one pump are present in the catch basin prior to the DSN-007 discharge point.

VII. OTHER INFORMATION *(Optional)*

Use the space below to expand upon any of the above questions or to bring to the attention of the reviewer any other information you feel should be considered in establishing permit limitations. Attach additional sheets, if necessary.

N/A

VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title	B. Phone No. *(area code & no.)*
Todd Visscher, Mobile Facility Manager	(251) 330-3000
C. Signature	D. Date Signed
Todd Visscher	8-28-15

Please print or type in the unshaded areas only.

EPA ID Number (copy from Item 1 of Form 1): ALD008149858

Form Approved. OMB No. 2040-0086. Approval expires 5-31-92.

FORM 2E NPDES

EPA Facilities Which Do Not Discharge Process Wastewater

I. RECEIVING WATERS

For this outfall, list the latitude and longitude, and name of the receiving water(s).

Outfall Number (list)	Latitude			Longitude			Receiving Water (name)
	Deg	Min	Sec	Deg	Min	Sec	
DSN-012	30.0(	44.0(	12.0(	88.0(	3.00	9.00	Chickasaw Creek

II. DISCHARGE DATE (If a new discharger, the date you expect to begin discharging)

III. TYPE OF WASTE

A. Check the box(es) indicating the general type(s) of wastes discharged.

☐ Sanitary Wastes ☐ Restaurant or Cafeteria Wastes ☑ Noncontact Cooling Water ☐ Other Nonprocess Wastewater (Identify)

B. If any cooling water additives are used, list them here. Briefly describe their composition if this information is available.

N/A

IV. EFFLUENT CHARACTERISTICS

A. Existing Sources — Provide measurements for the parameters listed in the left-hand column below, unless waived by the permitting authority (see instructions).

B. New Dischargers — Provide estimates for the parameters listed in the left-hand column below, unless waived by the permitting authority. Instead of the number of measurements taken, provide the source of estimated values (see instructions).

Pollutant or Parameter	(1) Maximum Daily Value (include units)		(2) Average Daily Value (last year) (include units)		(3) Number of Measurements Taken (last year)	(or) (4) Source of Estimate (if new discharger)
	Mass	Concentration	Mass	Concentration		
Biochemical Oxygen Demand (BOD)	ND	ND			1.00	
Total Suspended Solids (TSS)	ND	ND			1.00	
Fecal Coliform (if believed present or if sanitary waste is discharged)	N/A	N/a			1.00	
Total Residual Chlorine (if chlorine is used)	38.19 lbs	0.22 mg/l	0.02 lbs	.0001 mg/l	12.00	
Oil and Grease	ND	ND			1.00	
*Chemical oxygen demand (COD)	5033 lbs	29 mg/l			1.00	
*Total organic carbon (TOC)	1213 lbs	6.99 mg/l			1.00	
Ammonia (as N)	ND	ND			1.00	
Discharge Flow	Value .037 MGD		.011 MGD		12.00	
pH (give range)	Value 7.67				1.00	
Temperature (Winter)	°C		17.20 °C		3.00	
Temperature (Summer)	°C		30.50 °C		3.00	

*If noncontact cooling water is discharged

V. Except for leaks or spills, will the discharge described in this form be intermittent or seasonal? ☐ Yes ☑ No

If yes, briefly describe the frequency of flow and duration.

N/A

VI. TREATMENT SYSTEM *(Describe briefly any treatment system(s) used or to be used)*

N/A

VII. OTHER INFORMATION *(Optional)*

Use the space below to expand upon any of the above questions or to bring to the attention of the reviewer any other information you feel should be considered in establishing permit limitations. Attach additional sheets, if necessary.

N/A

VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title	B. Phone No. *(area code & no.)*
Todd Visscher, Mobile Facility Manager	(251) 330-3000
C. Signature	D. Date Signed
Todd Visscher	8-28-15

Please print or type in the unshaded areas	EPA ID Number *(copy from item I of Form 1)* **ALD008149858**	Form Approved. OMB No. 2040-0086 Approval expires 5-31-92

Form 2F NPDES

EPA

United States Environmental Protection Agency
Washington, DC 20460

Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., SW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. Outfall Number *(list)*	B. Latitude			C. Longitude			D. Receiving Water *(name)*
DSN-002	**30**	**44**	**30**	**88**	**02**	**60**	**Chickasaw Creek**
DSN-003	**30**	**44**	**19**	**88**	**03**	**04**	**Chickasaw Creek**
DSN-004	**30**	**44**	**12**	**88**	**03**	**08**	**Chickasaw Creek**
DSN-005	**30**	**44**	**30**	**88**	**02**	**60**	**Chickasaw Creek**
DSN-007	**30**	**44**	**12**	**88**	**02**	**47**	**Chickasaw Creek**
DSN-008	**30**	**44**	**21**	**88**	**02**	**58**	**Chickasaw Creek**
DSN-009	**30**	**44**	**28**	**88**	**02**	**56**	**Chickasaw Creek**
DSN-010	**30**	**44**	**24**	**88**	**02**	**58**	**Chickasaw Creek**
DSN-012	**30**	**44**	**00**	**88**	**03**	**09**	**Chickasaw Creek**
DSN-013	**30**	**44**	**18**	**88**	**03**	**04**	**Chickasaw Creek**
DSN-015	**30**	**43**	**51**	**88**	**03**	**08**	**Three Mile Creek**
DSN-016	**30**	**43**	**50**	**88**	**03**	**08**	**Three Mile Creek**
DSN-017	**30**	**43**	**49**	**88**	**03**	**07**	**Three Mile Creek**
DSN-018	**30**	**43**	**47**	**88**	**03**	**07**	**Three Mile Creek**
DSN-019	**30**	**43**	**46**	**88**	**03**	**02**	**Three Mile Creek**
DSN-020	**30**	**43**	**53**	**88**	**02**	**49**	**Three Mile Creek**

II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	number	source of discharge		a. req.	b. proj.
N/A					

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and idicate your actual or planned schedules for construction.

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structure control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each are not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

Continued on Page 2

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
002	0.56 Acres	0.77 Acres	013	0.24 Acres	2.28 Acres
003	0.42 Acres	0.67 Acres	015	4.19 Acres	4.92 Acres
004	1.24 Acres	11.41 Acres	016	0.60 Acres	0.80 Acres
005	15.22 Acres	15.28 Acres	017	0 Acres	0.11 Acres
007	20.10 Acres	20.64 Acres	018	0.35 Acres	0.71 Acres
008	0.45 Acres	1.78 Acres	019	7.94 Acres	10.57 Acres
009	2.67 Acres	2.67 Acres	020	3.36 Acres	3.38 Acres
010	8.56 Acres	12.82 Acres			
012	1.98 Acres	2.98 Acres			

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

Outlined in the Best Management Practices Plan.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
All	Control measures listed in the BMP plan.	N/A
007	Collection basin	N/A
009	Retention pond	N/A
010	Retention pond	N/A

V. Non Stormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharges from these outfall(s) are identified in either an accompanying Form 2C or Form 2E application for the outfall.

Name of Official Title *(type or print)*	Signature	Date Signed
Todd Visscher, Mobile Facility Manager		

B. provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

DSN007 and DSN012 are non-contact cooling water discharges identified in Form 2E.
Review of site drawings and direct observations indicate no non-stormwater discharges exist within DSN002, DSN003, DSN004, DSN005, DSN008 thru DSN011, and DSN013 thru DSN020.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

A review of corporate records indicate that no significant leaks or spills of toxic or hazardous pollutants have occurred at or in the vicinity of the stormwater outfalls within the previous three (3) years.

 Continued on Page 3

EPA ID Number *(copy from Item I of Form 1)*
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VII. Discharge Information

A,B,C, & D: See instruction before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Tables Vii-A, VII-B, and VII-C are included on separate sheets numbered VII-1 and VII-2.

E. Potential discharges not covered by analysis - is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ Yes *(list all such pollutants below)* ☒ No *(go to Section IX)*

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes *(list all such pollutants below)* ☒ No *(go to Section IX)*

IX. Contact analysis Information

Were any of the analysis reported in item VII performed by a contact laboratory or consulting firm?

☒ Yes *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)* ☐ No *(go to Section X)*

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Micro-Methods Laboratory Inc.	***6500 Sunplex Drive Ocean Springs, MS 39564***	***228-875-6420***	***All parameters with the exception of pH***

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title *(type or print)*	B. Area Code and Phone No.
Todd Visscher, Mobile Facility Manager	***251-330-3000***
C. Signature: Todd Visscher	D. Date Signed: 8-28-15

EPA ID Number *(copy from Item I of Form 1)*
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Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-002*
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		Sources of Pollutants
Oil & Grease	ND	N/A	N/A	N/A	1	Stormwater runoff
Biological Oxygen Demand (BOD5)	30 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Chemical Oxygen Demand (COD)	71 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Suspended Solids (TSS)	81 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Nitrogen	0.68 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Phosphorus	ND	N/A	N/A	N/A	1	Stormwater runoff
pH	7.91 SU	N/A	N/A	N/A	1	Stormwater runoff

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		Sources of Pollutants
N/A						

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-002*
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		Sources of Pollutants
N/A						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Total flow from rain event *(gallons or specify units)*
7/17/2015	90	0.41	96	4,753 gallons

7. Provide a description of the method of flow measurement or estimate.

The flow estimates were calculated based on the "Rational Formula" (Q=CiA).

EPA ID Number *(copy from Item I of Form 1)*
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Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-003* Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	ND	N/A	N/A	N/A	1	Stormwater runoff
Biological Oxygen Demand (BOD5)	23 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Chemical Oxygen Demand (COD)	84 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Suspended Solids (TSS)	28.7 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Nitrogen	0.35 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Phosphorus	ND	N/A	N/A	N/A	1	Stormwater runoff
pH	7.31 SU	N/A	N/A	N/A	1	Stormwater runoff

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
N/A						

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-003* Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
N/A						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Total flow from rain event *(gallons or specify units)*
7/17/2015	90	0.41	96	5,594 gallons

7. Provide a description of the method of flow measurement or estimate.

The flow estimates were calculated based on the "Rational Formula" (Q=CiA).

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-004* Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	ND	N/A	N/A	N/A	1	Stormwater runoff
Biological Oxygen Demand (BOD5)	5 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Chemical Oxygen Demand (COD)	29 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Suspended Solids (TSS)	37 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Nitrogen	1.77 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Phosphorus	ND	N/A	N/A	N/A	1	Stormwater runoff
pH	7.98 SU	N/A	N/A	N/A	1	Stormwater runoff

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
N/A						

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-004* Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
N/A						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Total flow from rain event *(gallons or specify units)*
7/17/2015	90	0.41	96	68,586 gallons

7. Provide a description of the method of flow measurement or estimate.

The flow estimates were calculated based on the "Rational Formula" (Q=CiA).

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-005* Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	ND	N/A	N/A	N/A	1	Stormwater runoff
Biological Oxygen Demand (BOD5)	20 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Chemical Oxygen Demand (COD)	118 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Suspended Solids (TSS)	71 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Nitrogen	0.55 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Phosphorus	ND	N/A	N/A	N/A	1	Stormwater runoff
pH	7.71 SU	N/A	N/A	N/A	1	Stormwater runoff

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
N/A						

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-005* Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Magnesium	2.56 mg/L	N/A	N/A	N/A	1	Stormwater runoff
Aluminum	1.34 mg/L	N/A	N/A	N/A	1	Stormwater runoff
Titanium	0.028 mg/L	N/A	N/A	N/A	1	Stormwater runoff
Chromium	0.004 mg/L	N/A	N/A	N/A	1	Stormwater runoff
Iron	0.964 mg/L	N/A	N/A	N/A	1	Stormwater runoff
Nickel	0.002 mg/L	N/A	N/A	N/A	1	Stormwater runoff
Copper	0.013 mg/L	N/A	N/A	N/A	1	Stormwater runoff
Zinc	0.095 mg/L	N/A	N/A	N/A	1	Stormwater runoff
Molybdenum	0.003 mg/L	N/A	N/A	N/A	1	Stormwater runoff
Cadmium	ND	N/A	N/A	N/A	1	Stormwater runoff
Lead	0.006 mg/L	N/A	N/A	N/A	1	Stormwater runoff
Tin	ND	N/A	N/A	N/A	1	Stormwater runoff
Mercury	ND	N/A	N/A	N/A	1	Stormwater runoff

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Total flow from rain event *(gallons or specify units)*
7/17/2015	90	0.41	96	85,045 gallons

7. Provide a description of the method of flow measurement or estimate.

The flow estimates were calculated based on the "Rational Formula" (Q=CiA).

EPA ID Number *(copy from Item I of Form 1)*
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Approval expires 5-31-92

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-007* Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	ND	N/A	N/A	N/A	1	Stormwater runoff
Biological Oxygen Demand (BOD5)	4 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Chemical Oxygen Demand (COD)	20 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Suspended Solids (TSS)	3.9 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Nitrogen	1.58 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Phosphorus	ND	N/A	N/A	N/A	1	Stormwater runoff
pH	7.20 SU	N/A	N/A	N/A	1	Stormwater runoff

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
N/A						

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-007* Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
N/A						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Total flow from rain event *(gallons or specify units)*
7/17/2015	90	0.41	96	204,481 gallons

7. Provide a description of the method of flow measurement or estimate.

The flow estimates were calculated based on the "Rational Formula" (Q=CiA).

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-010*
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		Sources of Pollutants
Oil & Grease	*5 mg/l*	N/A	N/A	N/A	1	Stormwater runoff
Biological Oxygen Demand (BOD5)	-	N/A	N/A	N/A	0	Stormwater runoff
Chemical Oxygen Demand (COD)	95 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Suspended Solids (TSS)	113 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Nitrogen	-	N/A	N/A	N/A	0	Stormwater runoff
Total Phosphorus	-	N/A	N/A	N/A	0	Stormwater runoff
pH	7.63 SU	N/A	N/A	N/A	1	Stormwater runoff

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		Sources of Pollutants
N/A						

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-010* Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
N/A						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Total flow from rain event *(gallons or specify units)*
1st semester DMR	-	-	-	303,000 gallons

7. Provide a description of the method of flow measurement or estimate.

The flow estimates were calculated based on the "Rational Formula" (Q=CiA).

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-012*
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		Sources of Pollutants
Oil & Grease	ND	N/A	N/A	N/A	1	Stormwater runoff
Biological Oxygen Demand (BOD5)	41 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Chemical Oxygen Demand (COD)	97 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Suspended Solids (TSS)	87 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Nitrogen	0.22 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Phosphorus	ND	N/A	N/A	N/A	1	Stormwater runoff
pH	8.32 SU	N/A	N/A	N/A	1	Stormwater runoff

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		Sources of Pollutants
N/A						

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-012*
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		Sources of Pollutants
N/A						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Total flow from rain event *(gallons or specify units)*
7/17/2015	90	0.41	96	10,980 gallons

7. Provide a description of the method of flow measurement or estimate.

The flow estimates were calculated based on the "Rational Formula" (Q=CiA).

EPA ID Number *(copy from Item I of Form 1)*
Error! Reference source not found.

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-013* Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	ND	N/A	N/A	N/A	1	Stormwater runoff
Biological Oxygen Demand (BOD5)	11 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Chemical Oxygen Demand (COD)	51 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Suspended Solids (TSS)	542 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Nitrogen	0.59 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Phosphorus	ND	N/A	N/A	N/A	1	Stormwater runoff
pH	8.35 SU	N/A	N/A	N/A	1	Stormwater runoff

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
N/A						

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-013* Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
N/A						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Total flow from rain event *(gallons or specify units)*
7/17/2015	90	0.41	96	13,705 gallons

7. Provide a description of the method of flow measurement or estimate.

The flow estimates were calculated based on the "Rational Formula" (Q=CiA).

EPA ID Number *(copy from Item I of Form 1)*
Error! Reference source not found.

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-019* Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	ND	N/A	N/A	N/A	1	Stormwater runoff
Biological Oxygen Demand (BOD5)	18 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Chemical Oxygen Demand (COD)	316 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Suspended Solids (TSS)	235 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Nitrogen	0.43 mg/l	N/A	N/A	N/A	1	Stormwater runoff
Total Phosphorus	ND	N/A	N/A	N/A	1	Stormwater runoff
pH	7.64 SU	N/A	N/A	N/A	1	Stormwater runoff

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	****From 1st semester monitoring (2015) (required for Threemile Creek)*** Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
****Ammonia Total Nitrogen (as N)***	***0.10***				***1***	*Stormwater runoff*
****Nitrate Total Nitrogen (as N)***	***0.69***				***1***	*Stormwater runoff*

I. A.

Request for Waiver of Sampling for Substantially Identical Outfalls:

Stormwater outfall discharges from DSN008, DSN009, and DSN010 are considered to be substantially identical outfalls. Sampling was conducted on outfall DSN010 to represent these outfalls. The outfall drainage areas exhibit similar characteristics and are utilized for similar purposes. These outfalls drain stormwater runoff from non-process areas, contractor laydown areas, wood yard area, and truck dumper area with oil reservoirs.

Stormwater outfall discharges from DSN015-DSN020 are considered to be substantially identical outfalls. Sampling was conducted on outfall DSN019 to represent these outfalls. The outfall drainage areas exhibit similar characteristics and are utilized for similar purposes. These outfalls drain stormwater runoff from non-process areas, such as roads, parking areas and warehouse rooftops.

Request for Waiver of Sampling for Non-Industrial Use:

Kimberly-Clark Corporation would like to remove DSN011 from the permit. This outfall does not discharge industrial related runoff. This outfall was originally permited because there is a retention area that stored petroleum products and other wastes; however, this process has since ended and no industrial activities are performed in this area.

Continued from the Front

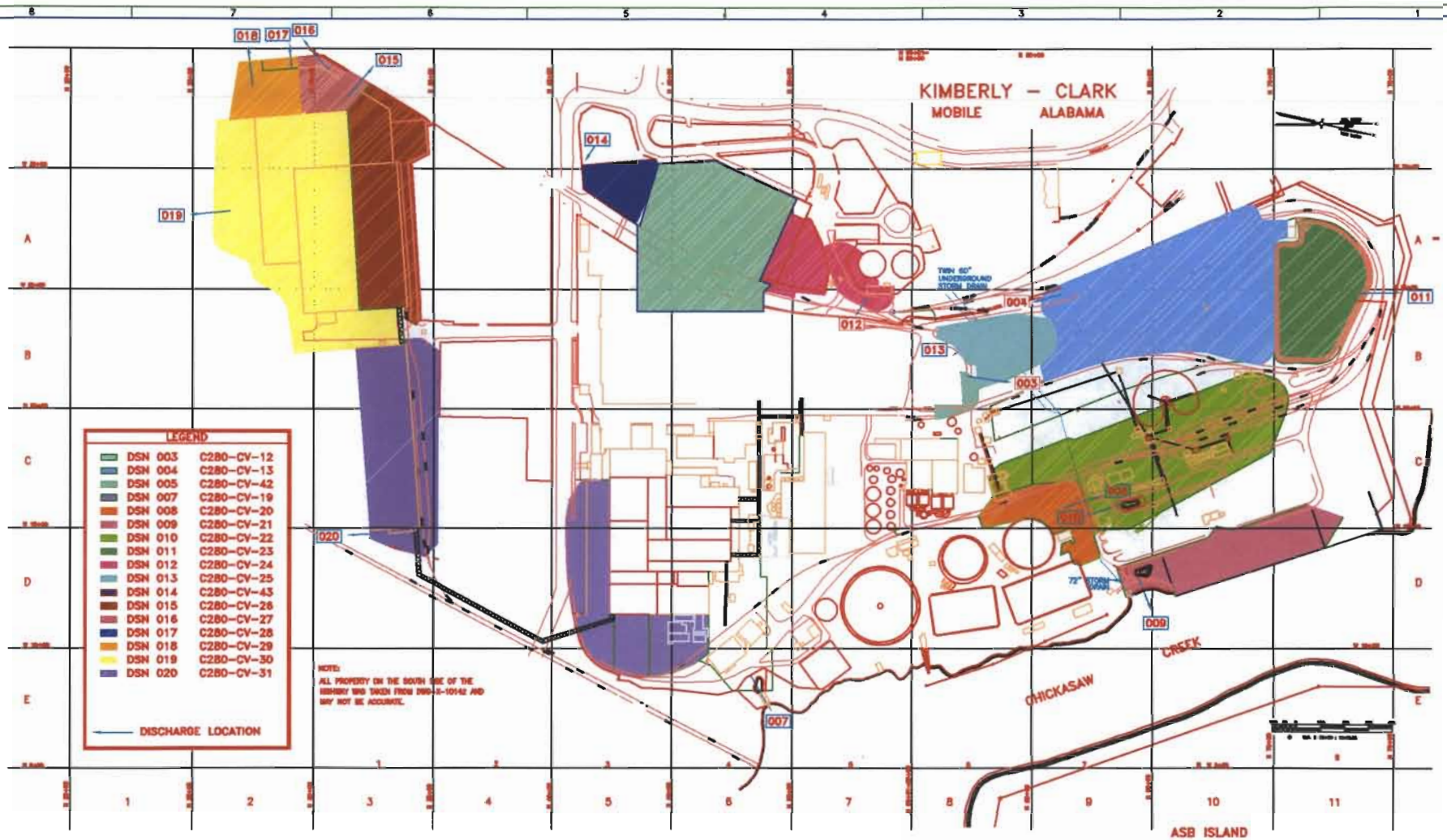
Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.						
Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	*Outfall DSN-019* Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
N/A						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Total flow from rain event *(gallons or specify units)*
7/17/2015	90	0.41	96	94,128 gallons

7. Provide a description of the method of flow measurement or estimate.

The flow estimates were calculated based on the "Rational Formula" (Q=CiA).



NOTE:
AREAS ON SITE WHICH ARE NOT INCLUDED IN A STORMWATER DISCHARGE AREA ARE TREATED AT THE KIMBERLY – CLARK WASTEWATER TREATMENT PLANT AND DISCHARGE AT DSN 001 (ASB ISLAND).

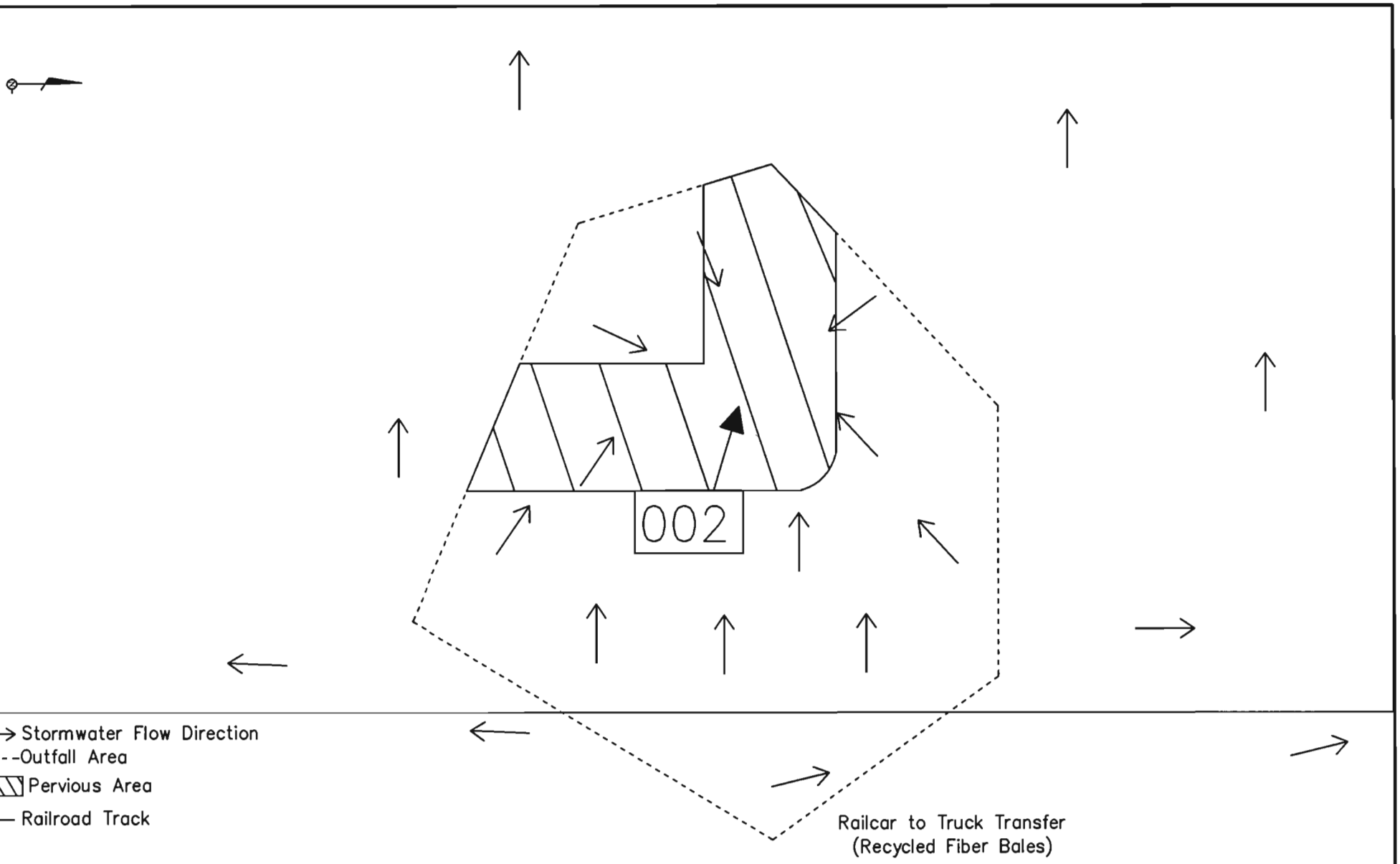
KIMBERLY – CLARK
BEST MANAGEMENT PRACTICES (BMP) PLAN
MOBILE, ALABAMA

PRELIMINARY PRINT

UTILITIES, GENERAL
STORMWATER DISCHARGE AREA LOCATION SUMMARY

Kimberly-Clark Corporation

C280-CV-10 D 4



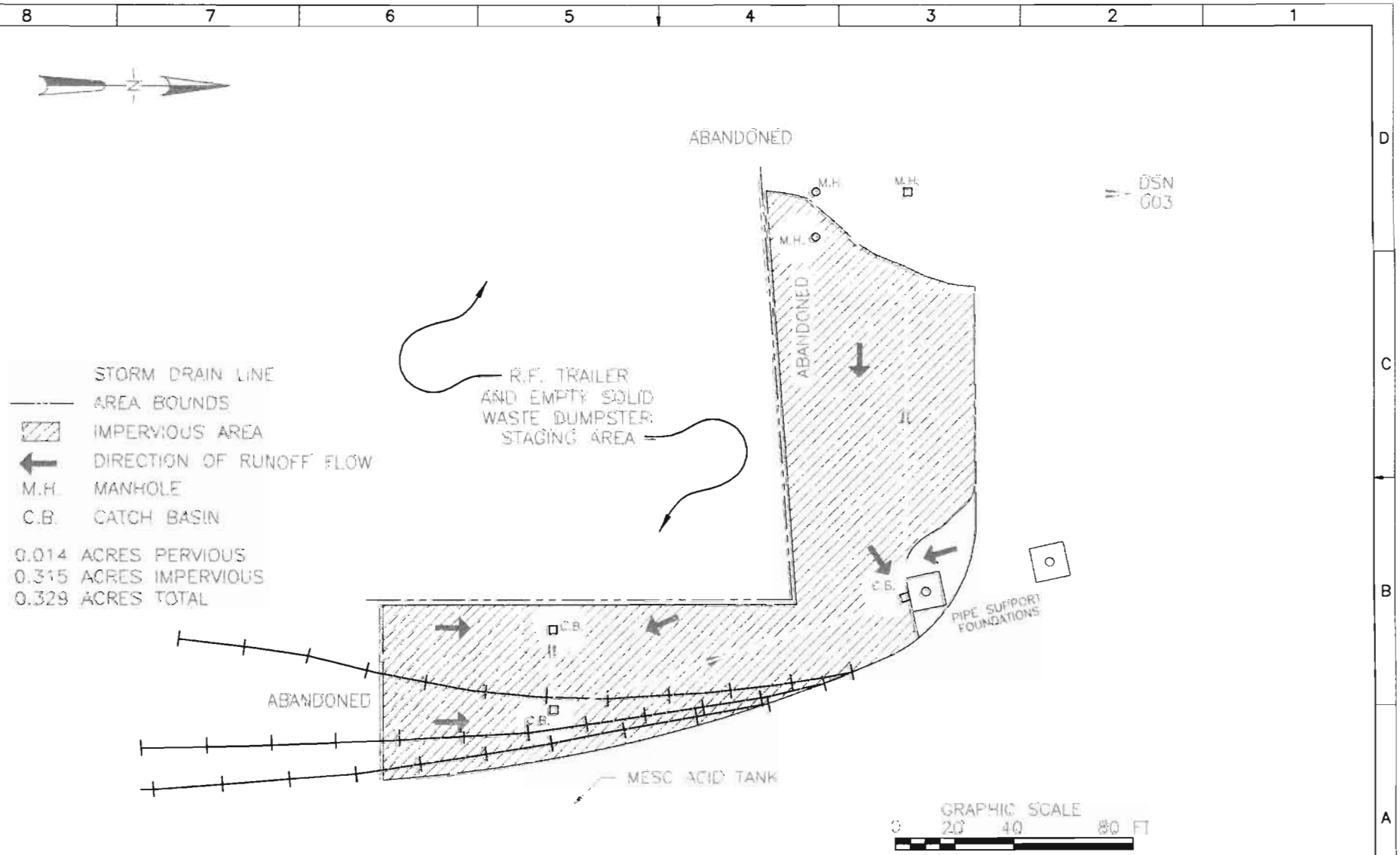
Kimberly–Clark Corporation

Mobile, Mobile County, Alabama

PAYNE ENVIRONMENTAL SERVICES

DSN002 Drainage Plan

NPDES Permit Renewal



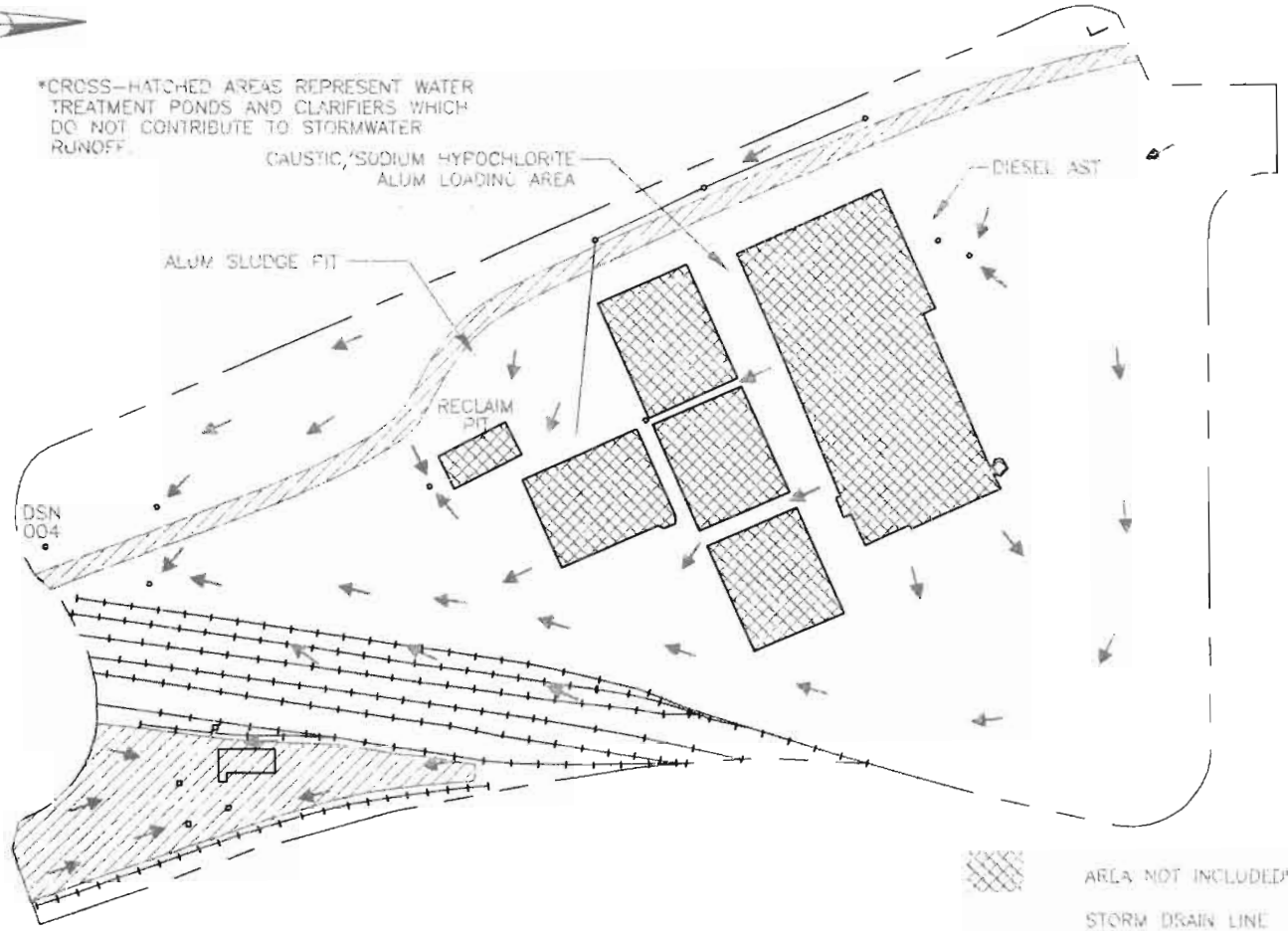
PRELIMINARY PRINT

UTILITIES, GENERAL
DSN003 DRAINAGE PLAN

Kimberly-Clark Corporation

C280-CV-12 B 2

*CROSS-HATCHED AREAS REPRESENT WATER TREATMENT PONDS AND CLARIFIERS WHICH DO NOT CONTRIBUTE TO STORMWATER RUNOFF.



GRAPHIC SCALE

0 75 150 300 FT

AREA NOT INCLUDED*

STORM DRAIN LINE

AREA BOUNDS

IMPERVIOUS AREA

DIRECTION OF RUNOFF FLOW

PRELIMINARY PRINT

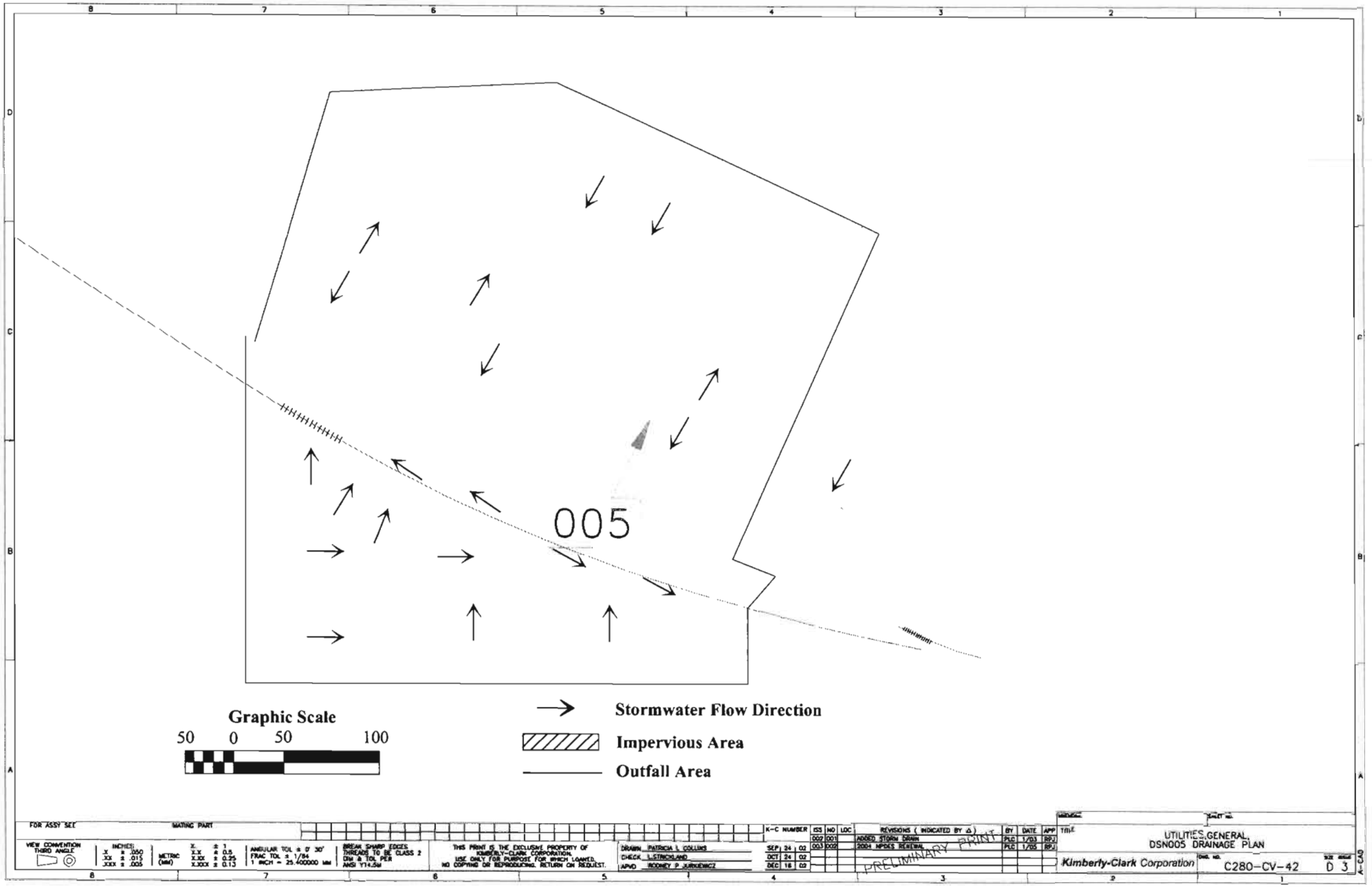
UTILITIES, GENERAL
DSN004 DRAINAGE PLAN

Kimberly-Clark Corporation

C280-CV-13

B 2

A-CAD



FOR ASSY SEE MATING PART

VIEW CONVENTION THIRD ANGLE

INCHES: X ± .050, .XX ± .015, .XXX ± .005

METRIC (MM): X. ± 1, X.X ± 0.5, X.XX ± 0.25, X.XXX ± 0.13

ANGULAR TOL ± 0° 30' FRAC TOL ± 1/64 1 INCH = 25.400000 MM

BREAK SHARP EDGES THREADS TO BE CLASS 2 DIM & TOL PER ANSI Y14.5M

DRAWN PATRICIA L COLLINS SEP 24 02
CHECK L.STRICKLAND OCT 24 02
APVD RODNEY P JURKIEWICZ DEC 18 03

K-C NUMBER

ISS	NO	LOC	REVISIONS (INDICATED BY Δ)	BY	DATE	APP
002	001		ADDED STORM DRAIN	PLC	1/03	RPJ
003	002		2004 NPDES RENEWAL	PLC	1/05	RPJ

PRELIMINARY PRINT

TITLE
UTILITIES,GENERAL,
DSN005 DRAINAGE PLAN

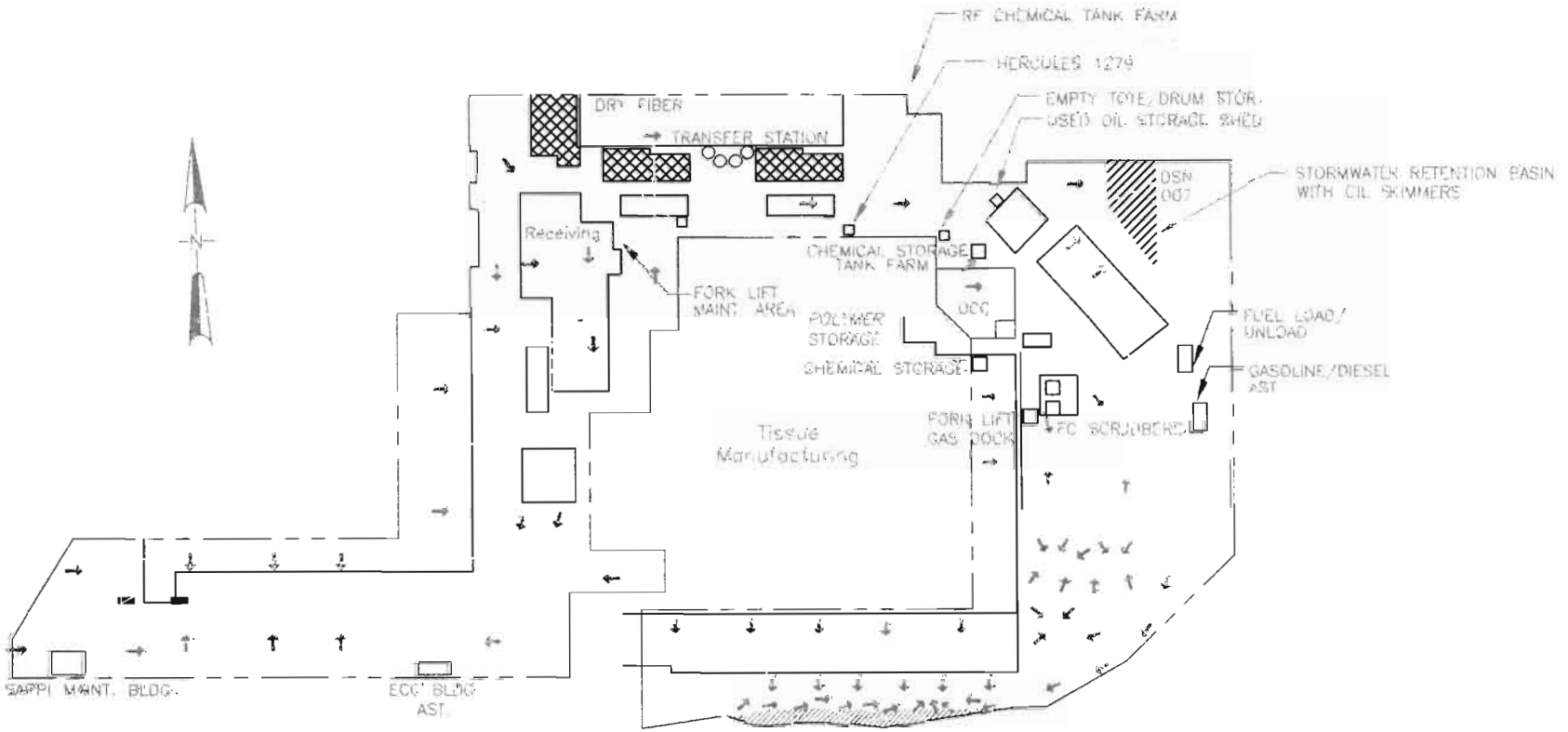
Kimberly-Clark Corporation

DWG. NO. C280-CV-42

SIZE D

SHEET 3

A-CAD



PRELIMINARY PRINT

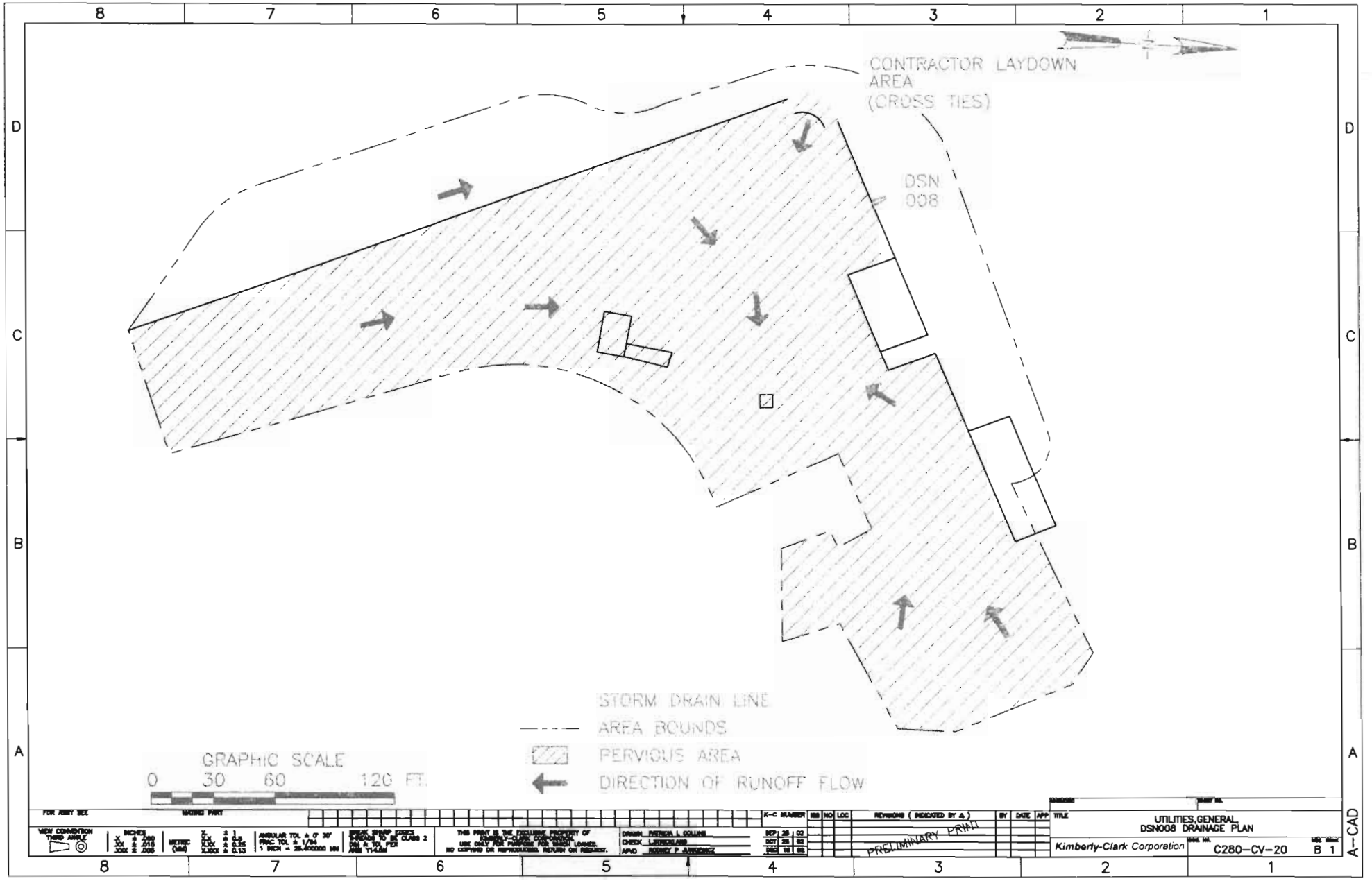
UTILITIES, GENERAL
DSN007 DRAINAGE PLAN

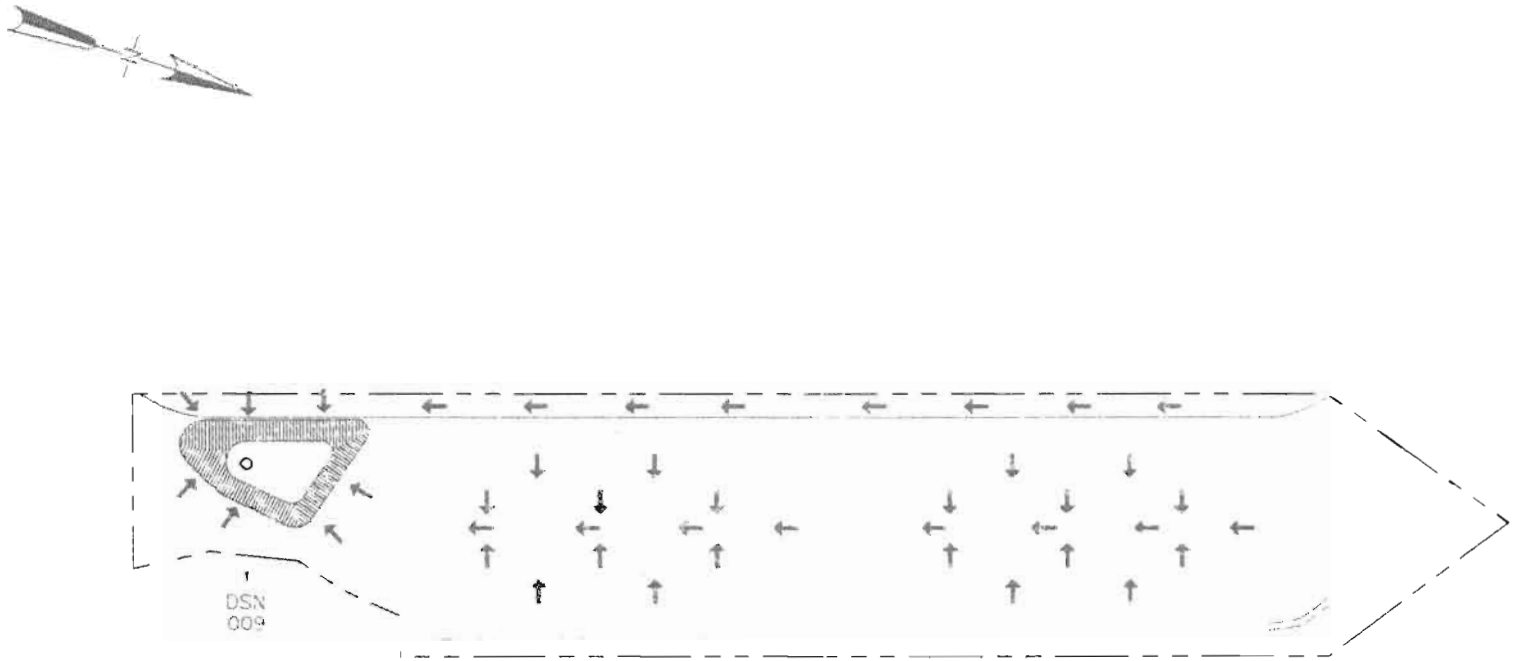
Kimberly-Clark Corporation

C280-CV-19

B 2

A-CAD


CONTRACTOR LAYDOWN AREA (CROSS TIES)
DSN 008
STORM DRAIN LINE
AREA BOUNDS
PERVIOUS AREA
DIRECTION OF RUNOFF FLOW
GRAPHIC SCALE
0 30 60 120 FT.
PRELIMINARY PRINT
UTILITIES, GENERAL
DSN008 DRAINAGE PLAN
Kimberly-Clark Corporation
C280-CV-20
B 1
A-CAD



STORM DRAIN LINE
AREA BOUNDS
PERVIOUS AREA
DIRECTION OF RUNOFF FLOW

GRAPHIC SCALE
0 50 100 200 FT

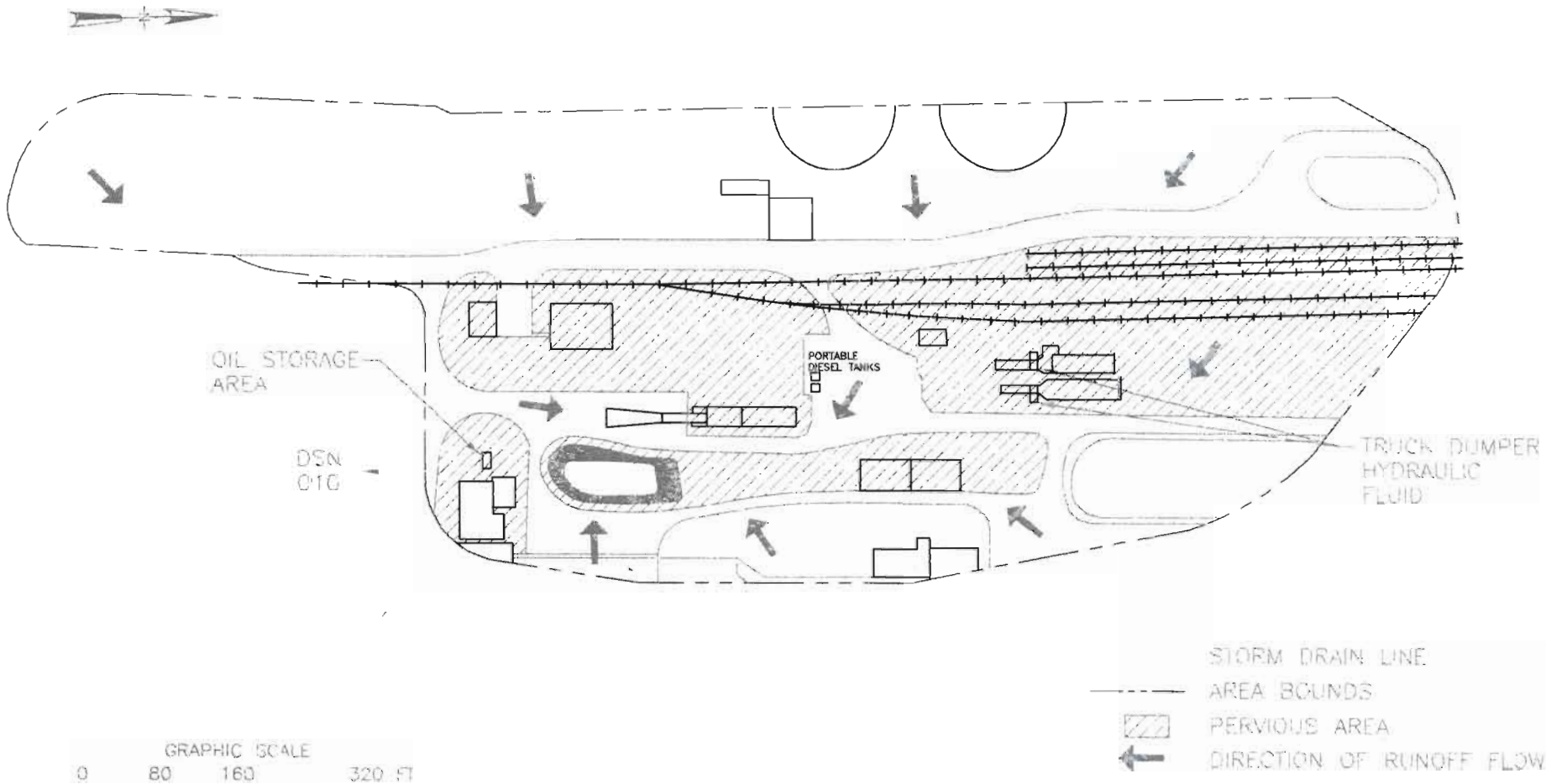
PRELIMINARY DRAFT

UTILITIES, GENERAL
DSN009 DRAINAGE PLAN

Kimberly-Clark Corporation

C280-CV-21 B 1

A-CAD



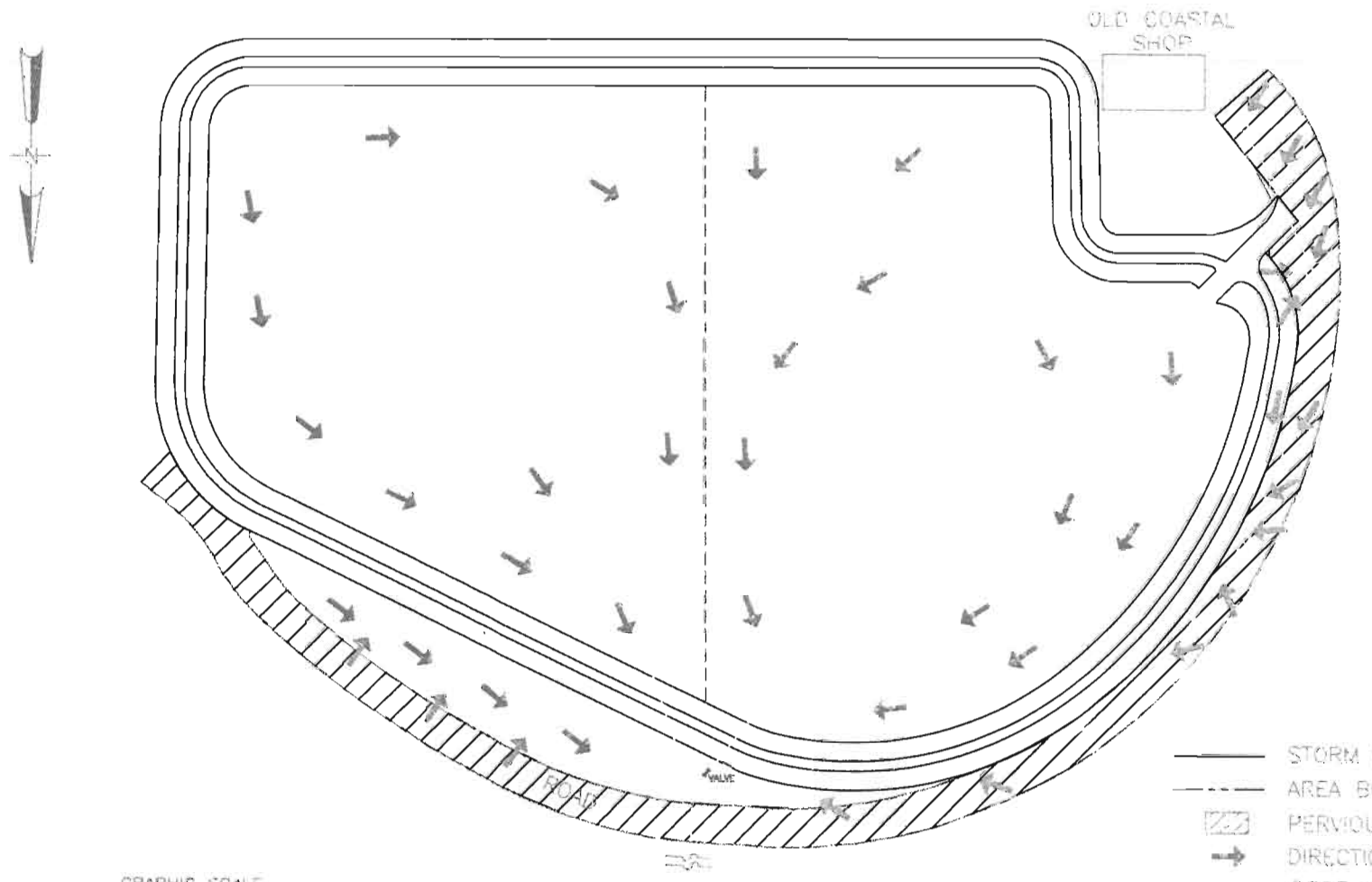
PRELIMINARY DRAWING

Kimberly-Clark Corporation

UTILITIES, GENERAL
DSN010 DRAINAGE PLAN

C280-CV-22 B 2

A-CAD



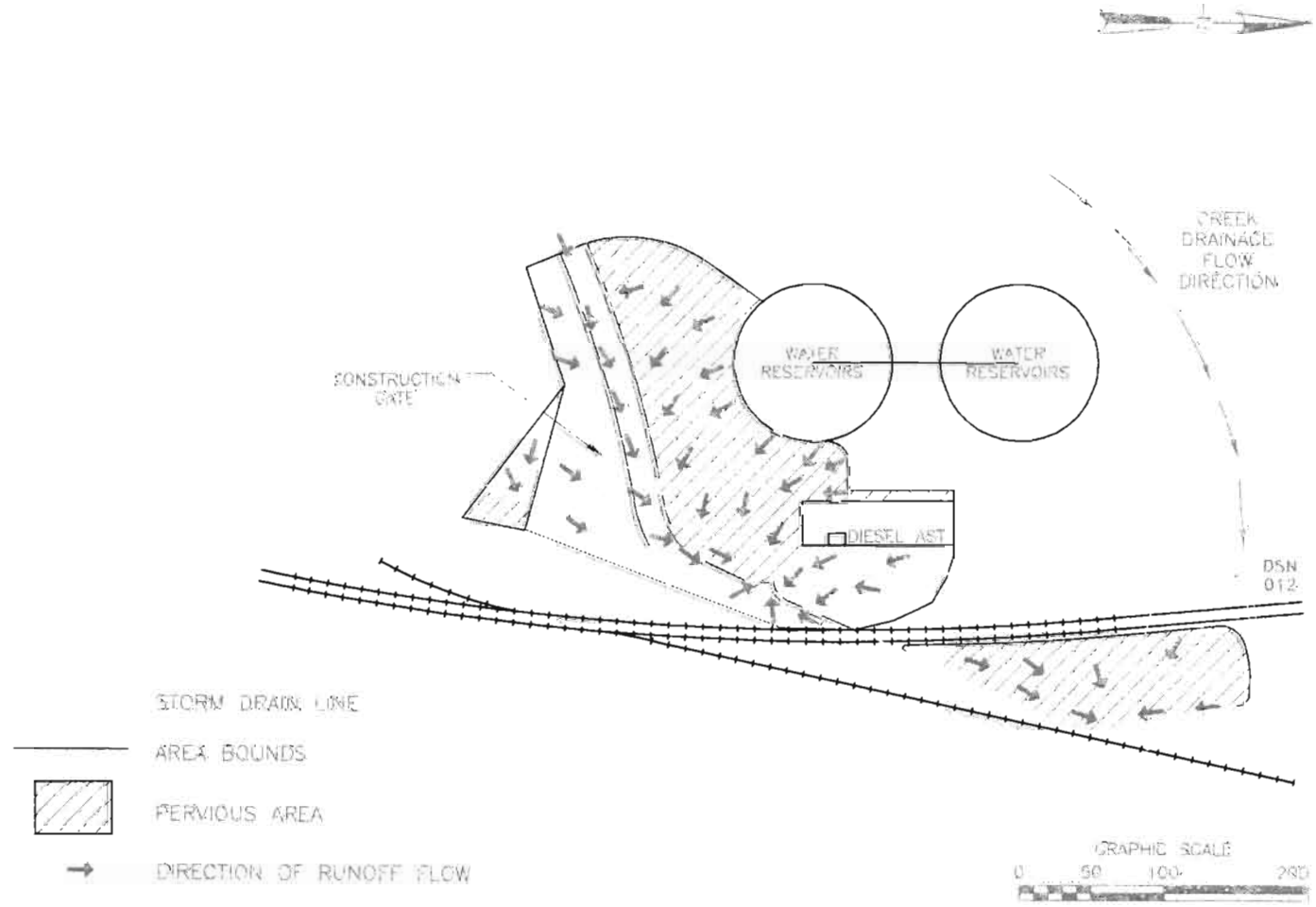
PRELIMINARY PRINT

UTILITIES, GENERAL
DSN011 DRAINAGE PLAN

Kimberly-Clark Corporation

C280-CV-23 B 3

A-CAD



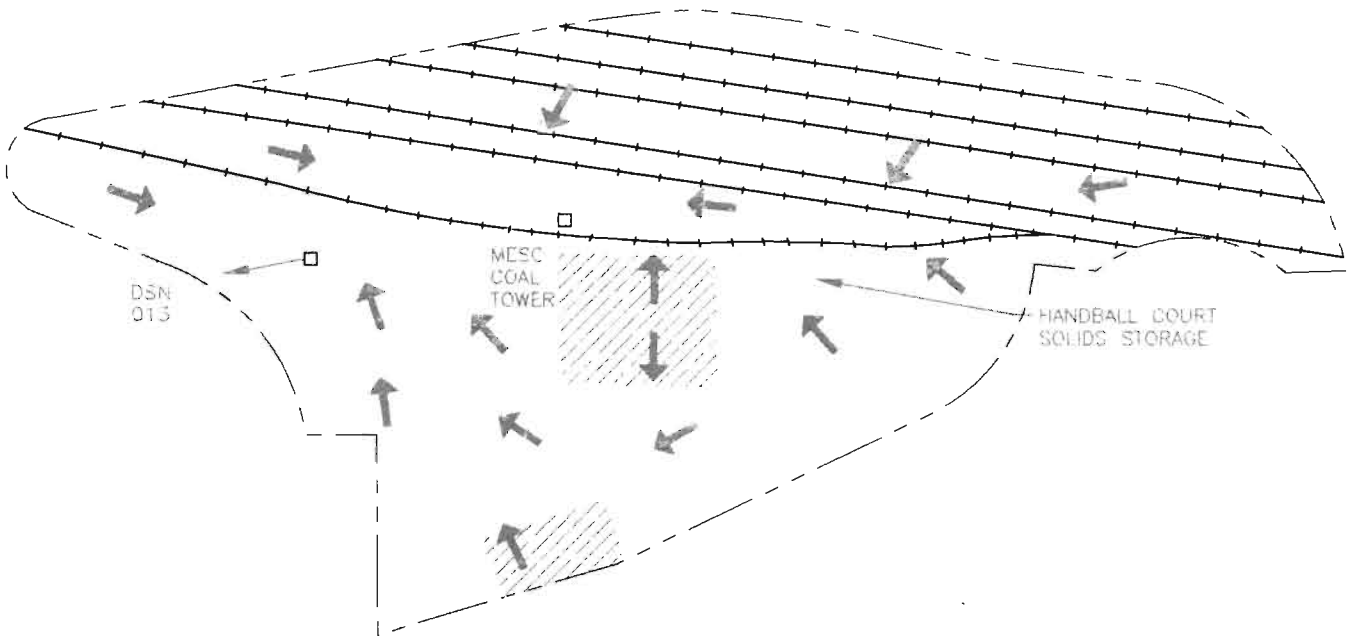
PRELIMINARY DRWG

UTILITIES, GENERAL
DSN012 DRAINAGE PLAN

Kimberly-Clark Corporation

C280-CV-24 B 1

A-CAD



GRAPHIC SCALE
0 40 80 160 FT

STORM DRAIN LINE
AREA BOUNDS
IMPERVIOUS AREA
DIRECTION OF RUNOFF FLOW

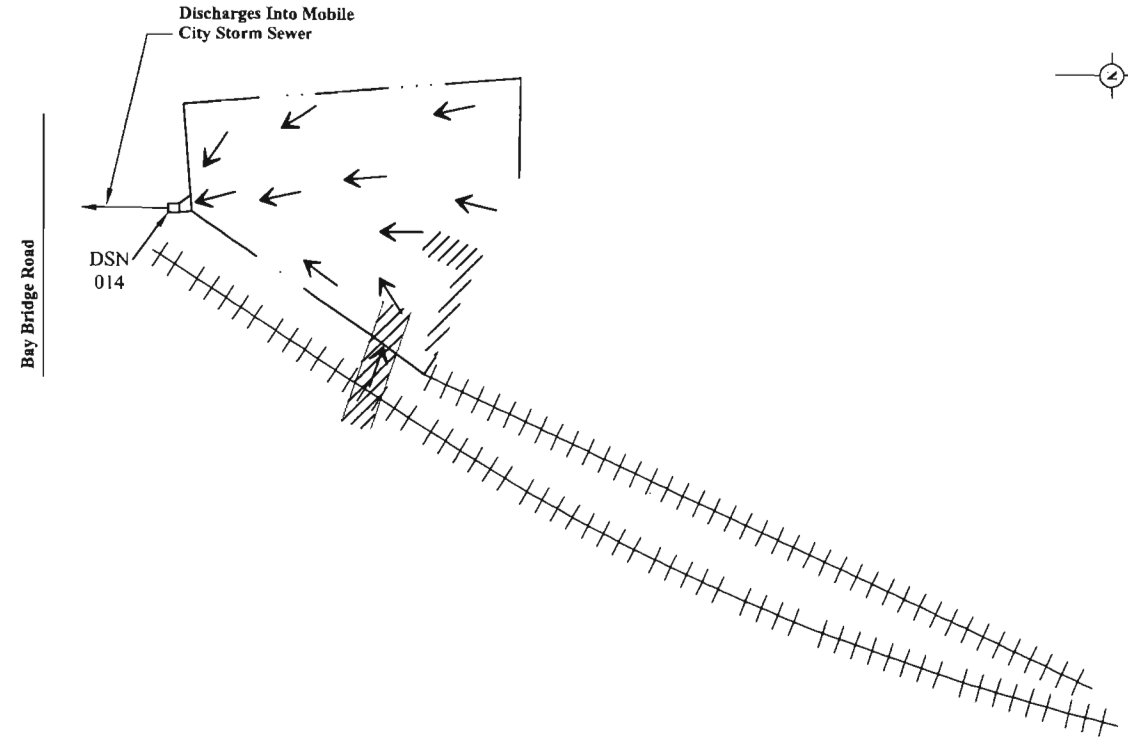
PRELIMINARY DRWG

UTILITIES, GENERAL
DSN013 DRAINAGE PLAN

Kimberly-Clark Corporation

C280-CV-25 B 1

A-CAD



FOR ASSY SEE MATING PART

VIEW CONVENTION THIRD ANGLE

INCHES .X ± .050 .XX ± .015 .XXX ± .005

METRIC (MM) X ± 1 X.X ± 0.5 X.XX ± 0.25 X.XXX ± 0.13

ANGULAR TOL ± 0° 30' FRAC TOL ± 1/64 1 INCH = 25.400000 MM

BREAK SHARP EDGES THREADS TO BE CLASS 2 DIM & TOL PER ANSI Y14.5M

DRAWN GARY A JACKSON DEC 23 04
CHECK ROD P JURKIEWICZ APR 25 06
APVD ROD P JURKIEWICZ APR 25 06

K-C NUMBER

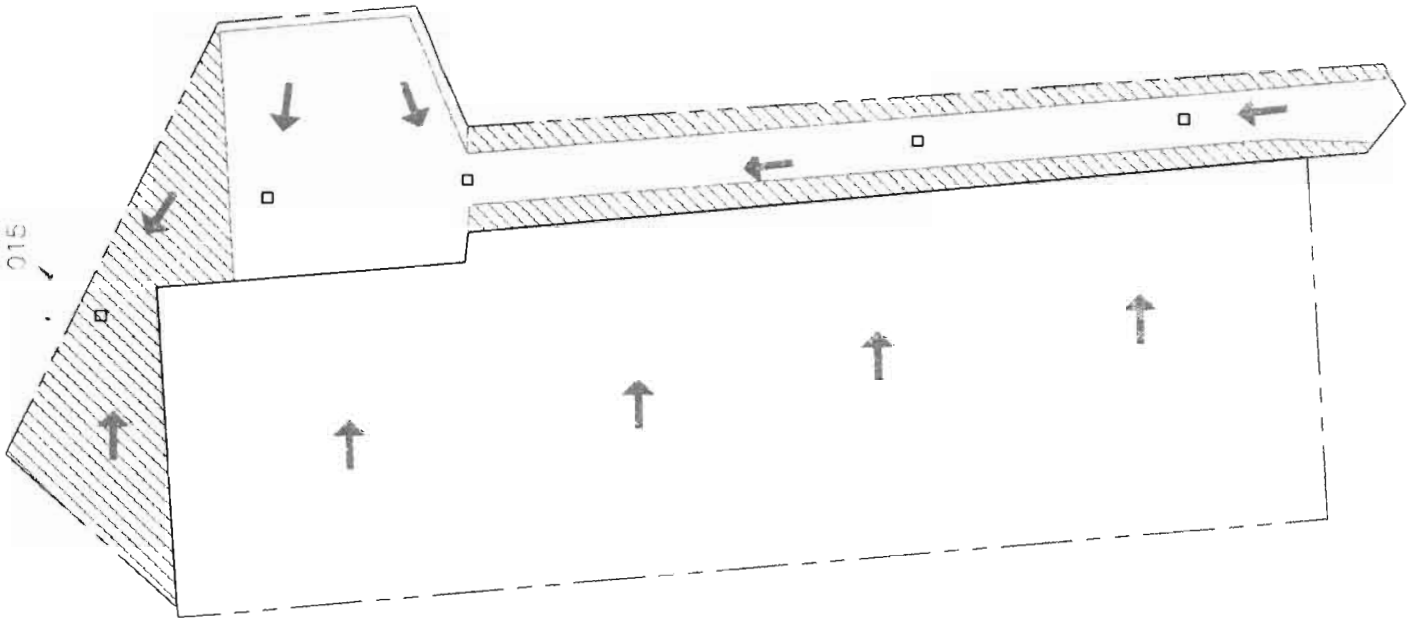
ISS	NO	LOC	REVISIONS (INDICATED BY △)	BY	DATE	APP
			PRELIMINARY PRINT			

TITLE UTILITIES, GENERAL, DSN014 DRAINAGE PLAN

Kimberly-Clark Corporation

C280-CV-43 B 1

A-CAD



STORM DRAIN LINE
AREA BOUNDS
PERVIOUS AREA
DIRECTION OF RUNOFF FLOW

GRAPHIC SCALE
0 50 100 200 FT

PRELIMINARY PRINT

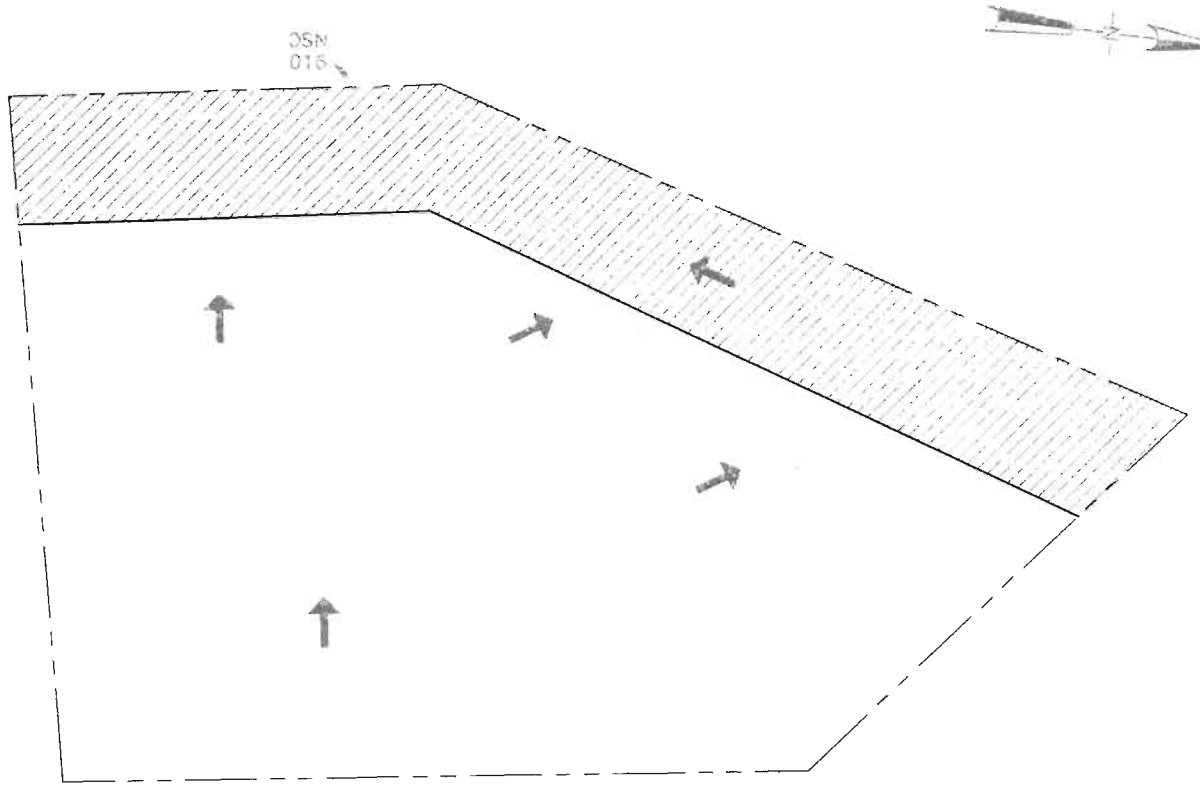
UTILITIES, GENERAL
DSN015 DRAINAGE PLAN

Kimberly-Clark Corporation

C280-CV-25

B 1

A-CAD



STORM DRAIN LINE

AREA BOUNDS

PERVIOUS AREA

DIRECTION OF RUNOFF FLOW

GRAPHIC SCALE

0 20 40 60 FT

PRELIMINARY PRINT

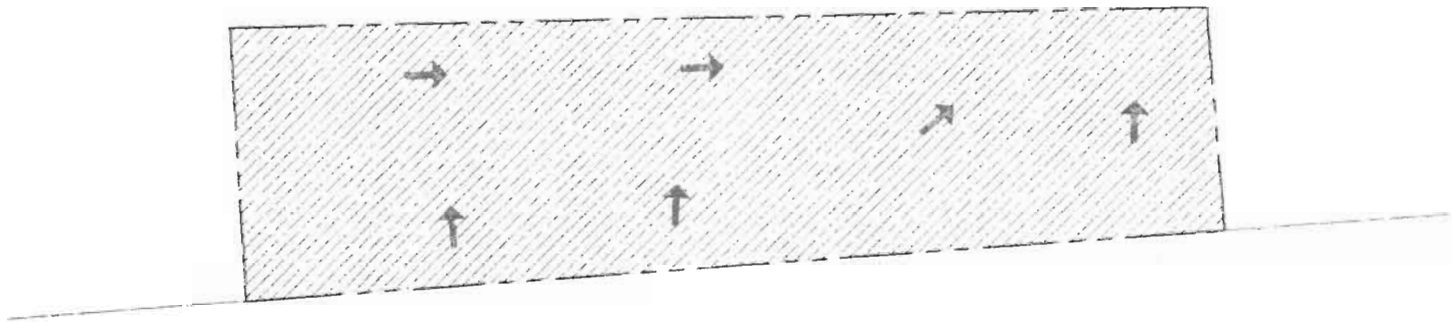
UTILITIES,GENERAL
DSN016 DRAINAGE PLAN

Kimberly-Clark Corporation

C280-CV-27

B 1

A-CAD



STORM DRAIN LINE
AREA BOUNDS
PERVIOUS AREA
DIRECTION OF RUNOFF FLOW

GRAPHIC SCALE
0 10 20 40 FT

PRELIMINARY PRINT

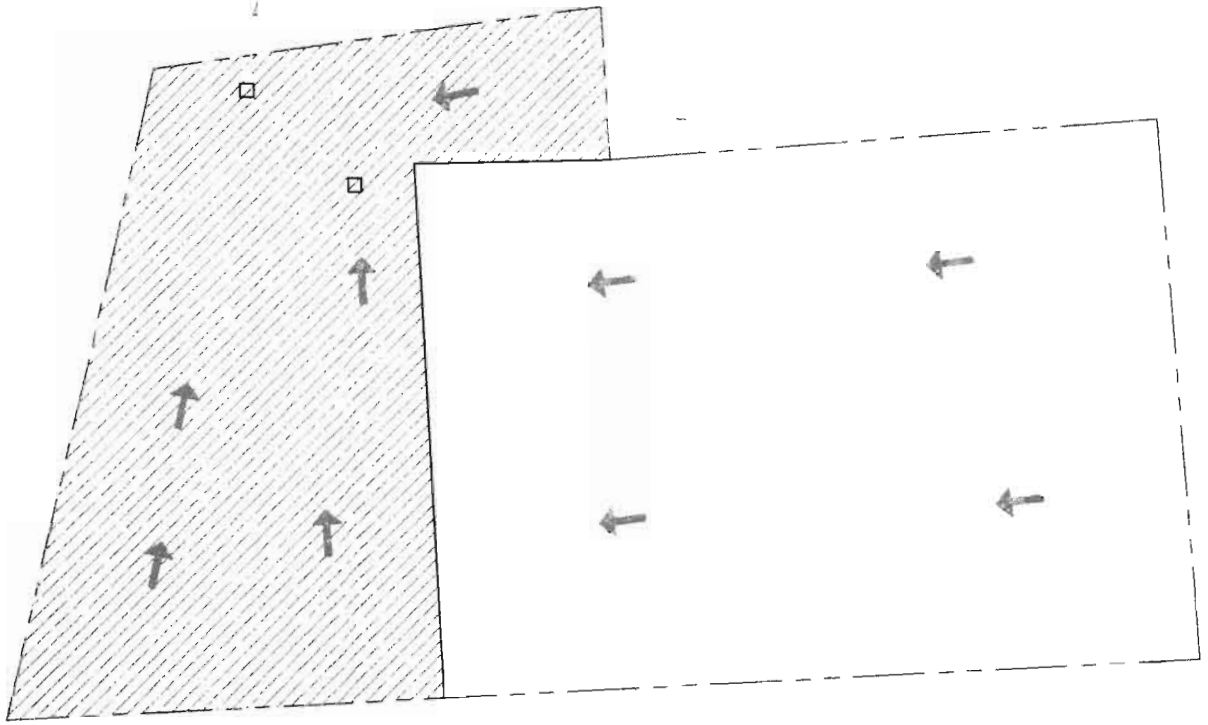
UTILITIES, GENERAL
DSN017 DRAINAGE PLAN

Kimberly-Clark Corporation

C280-CV-28

B 1

A-CAD



STORM DRAIN LINE

AREA BOUNDS

PERVIOUS AREA

DIRECTION OF RUNOFF FLOW

GRAPHIC SCALE

0 20 40 80 FT

PRELIMINARY PRINT

UTILITIES, GENERAL
DSN018 DRAINAGE PLAN

Kimberly-Clark Corporation

C280-CV-29 B 1

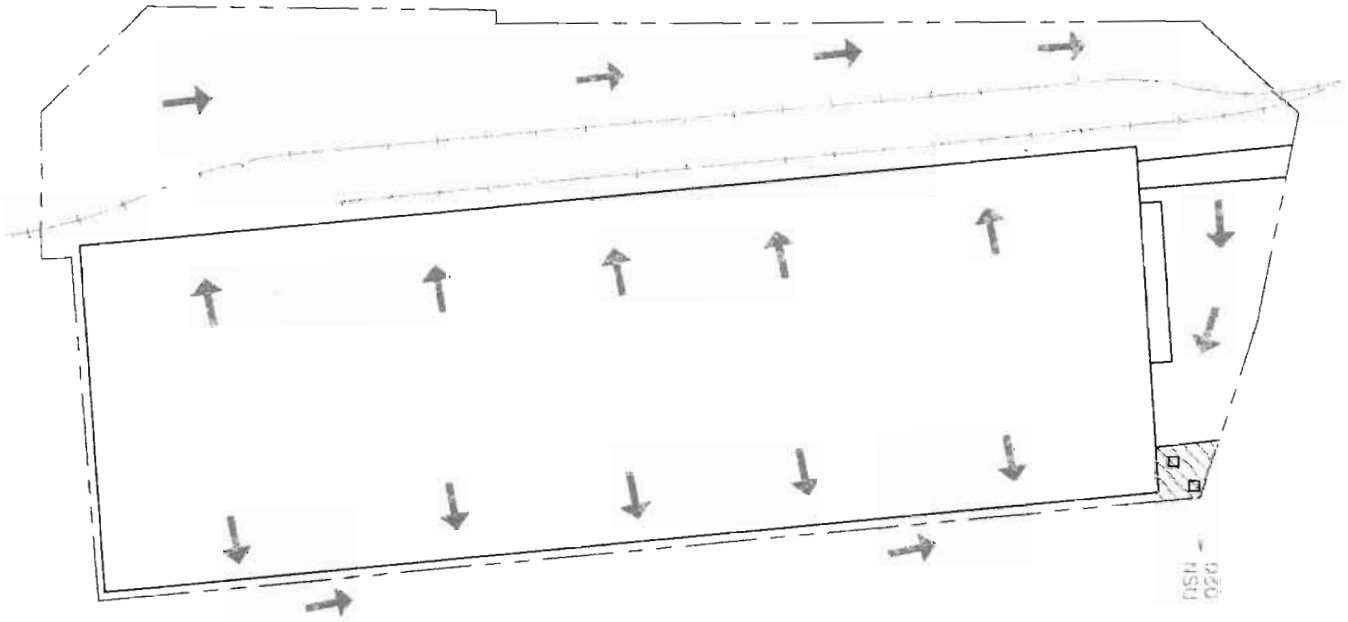
A-CAD

PRELIMINARY DRAFT

UTILITIES, GENERAL
DSN019 DRAINAGE PLAN

Kimberly-Clark Corporation

C280-CV-30 B 1



STORM DRAIN LINE
AREA BOUNDS
PERVIOUS AREA
DIRECTION OF RUNOFF FLOW

GRAPHIC SCALE
0 40 80 160 FT

PRELIMINARY PRINT

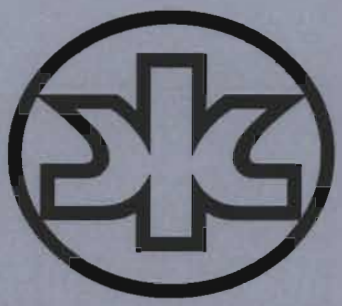
UTILITIES, GENERAL
DSN020 DRAINAGE PLAN

Kimberly-Clark Corporation

C280-CV-31 B 1

A-CAD

NPDES Permit Renewal Application



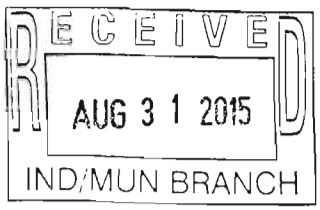
Kimberly-Clark Corporation Mobile, Alabama

Original

Submitted to: Mr. Alex Shavers – ADEM Water Division
Submitted by: LeeAnne Strickland – Kimberly-Clark, Environmental
Submitted: August 28, 2015

August 28, 2015

Alabama Department of Environmental Management
Permits and Services Division
Post Office Box 301463
Montgomery, Alabama 36130-1463



Attn: Mr. Alex Chavers

Subject: NPDES Permit Re-issuance Application
Kimberly-Clark Corporation
Mobile, Mobile County, Alabama
NPDES Permit Number AL0002801

Dear Mr. Chavers:

The current National Pollutant Discharge Elimination System (NPDES) permit for the Kimberly-Clark Corporation (K-C), Mobile Mill (Permit No. AL0002801) will expire on February 28, 2016. The following is included in this Permit Re-issuance Application Package:

- ADEM Form 187- Supplementary Information,
- EPA Form 1 – General Information,
- EPA Form 2C – Wastewater Discharge,
- EPA Form 2E – Non-contact Cooling Discharge,
- EPA Form 2F – Stormwater Discharge,
- Permit Renewal Fee of $14,990.00.

In a telephone conversation in April of 2015, you spoke with the K-C Environmental Coordinator, LeeAnne Strickland, regarding the Discharge Information Zone (DIZ) Study. At that time, ADEM granted K-C's request to conduct the DIZ Study in the Fall of 2015 (September / October) in order to keep study results consistent with the timing of past studies conducted at the K-C Mobile effluent discharge zone.

K-C requests the following modifications to the existing permit conditions:

1. Removal of outfall DSN-011 from the permit as a result of the following conditions:

   DSN-011 – This outfall was originally permitted because the existing retention area held one tank of used oil. Currently, the tank for used oil has been removed and there is no longer industrial related runoff from this area.

2. Addition of outfall DSN002 to the permit as a result of the following conditions:

   DSN-002 – This area and associated outfall was originally owned by a 3rd party (SAPPI) who operated a paper manufacturing facility within the K-C property boundary. This operation has been closed since 2003 and only truck traffic and a railroad spur existed in this area. K-C believes that the majority of the storm water flow from this area is directed to the on-site Wastewater Treatment Plant; however, following a study of the runoff in this area, K-C believes runoff could possibly enter the DSN002 outfall drainage area during large rain events. Although K-C feels the possibility of contamination from this area is extremely low, due to some additional material handling and storage operations and increased truck traffic, the addition of this outfall is necessary in order to

capture possible runoff from industrial activities performed as a result of anticipated future expansion.

If you have any questions concerning the attached information or if additional information is required, please feel free to contact LeeAnne Strickland at 251-330-2464.

Sincerely,

Todd Visscher

Todd Visscher
Mobile Facility Manger